



H.K.E. SOCIETY'S
SMT. VEERAMMA GANGASIRI DEGREE COLLEGE FOR WOMEN,
GULBARGA-585 102
 NAAC-ACCREDITED "A" GRADE (3rd cycle)
 Affiliated to Karnataka State Akkamahadevi women's
 University, Vijayapura



MONTHWISE TEACHING PLAN -2020-2021
(EVEN SEMESTER)

2.1

Name of the Staff: Smt. AMBIKAPATI Class : B.Sc II sem Sub: Math's

Month (Working Days)	Syllabus to be covered	Remarks
May (23days)	I. <u>Successive Differentiation</u> , n^{th} derivative of standard func ^{ns} , Leibnitz's theorem, n^{th} derivative of functions by Leibnitz's theorem.	
June (25days)	II. <u>Functions of two & three variables</u> Partial derivatives, Euler's theorem, Symmetric functions, partial derivative of symmetric functions.	
July (26 days)	Homogeneous functions, Euler's thm, Total derivatives, Revision of I sem syllabus.	
August (25 days)	III. <u>Continuity & Differentiability</u> Rolle's thm, LMVT & problems CMVT, Taylor's & maclaurin's series, L'Hospital's rule.	

Note :

1. Opening day :
2. Commencement of Class :
3. Completion of Syllabus :
4. Closing Day :

HOD
 VPH

Dr. Veena P.H.
 M.Sc, Ph.D.
 Professor & H.O.D.
 Dept. of Mathematics,
 Smt. V.G. Women's College,
 GULBARGA-585102.

Signature of the Staff

Co-ordinator

PRINCIPAL
 Smt. V.G. Degree College for Women
 GULBARGA.



SMT. VEERAMMA GANGASIRI DEGREE COLLEGE FOR WOMEN
 GULBARGA-585 102
 NAAC-ACCREDITED "A" GRADE (3rd cycle)
 Affiliated to Karnataka State Akkamahadevi women's
 University, Vijayapura



MONTHWISE TEACHING PLAN -2020-2021
 (EVEN SEMESTER) 4.1

Name of the Staff : Ambika Padil Class : B.Sc. IV sem Sub: math's

Month (Working Days)	Syllabus to be covered	Remarks
May (23 days)	I. <u>Abstract Algebra</u> - III ^o Groups, Subgroups, cyclic groups, Normal groups & theorems on it.	
June (25 days)	Factor group, Homomorphism, properties of homomorphism, kernel of homomorphism & th ^{ms} II. <u>Line & multiple Integrals</u> : Line & double integration.	
July (26 days)	Change of order of integration. Triple integration. & problems Offline Revision class for III sem syllabus.	
August (25 days)	III. <u>Differential Equations</u> : Exact, equations, solvable for p, x, y Clairaut's eq ^{ns} , Linear eq ^{ns} , Particular Integrals with examples	

Note :

1. Opening day :
2. Commencement of Class :
3. Completion of Syllabus :
4. Closing Day :

Co-ordinator

HOD
Dr. Veena P.H.
 M.Sc., Ph.D.
 Professor & H.O.D.
 Dept. of Mathematics,
 Smt. V.G. Women's College,
 GULBARGA-585102

Signature of the Staff

 PRINCIPAL
 Smt. V.G. Degree College for Women



H.K.E. Society's
SMT. V.G. DEGREE COLLEGE FOR WOMEN,
KALABURAGI

Affiliated to K.S.W.U. Vijayapur - NAAC Accredited 'A' Grade



MONTHWISE TEACHING PLAN 2020-21
(Even Semester)

Class: Bsc VI Sem Name of the Staff: Dr. Veena PH Sub: Maths

Month (Working Days)	Syllabus to be covered	Remarks
May (23 days)	Introduction of the syllabus given Paper 6.1: Unit 1: sol ⁿ of algebraic eq ^s + non algebraic eq ^s 6.2: unit II: Analytic fun ^s 6.3: Topology - Basic concepts finished - up to interior of of a set.	
June (25 days)	6.1: Finite differences - N-G forward & backward formulas 6.2: complex integration started	
July (26 days)	6.1: Numerical integration Picards, Euler's and Runge Kutta method 6.2: Cauchy's integral thm. C.I.F & Applications of evaluation of simple integrals, Cauchy's inequality thm	
August (25 days)	6.1: Last unit: Difference eq ^s 6.3: Bases and sub bases - Revision & sol ⁿ of old question Papers.	

- Note: 1. Opening Day : _____
2. Commencement of Classes : II, IV & VI Sem (_____)
3. Completion of Syllabus : _____
4. Closing Day : _____

PH

STAFF & HOD

Dr. Veena P.H.

M.Sc., Ph.D.

Professor & H.O.D.

Dept. of Mathematics

Smt. V.G. Women's College

GULBARGA-585102

CPH

COORDINATOR

[Signature]

PRINCIPAL

PRINCIPAL

Smt. V.G. Degree College for Women,
GULBARGA.



H. K. E. Society's
Smt. V. G. Degree College & PG centre for for Women,
Kalaburagi
Affiliated to K.S.A. M. W. U. Vijayapura-NAAC Accredited "A" Grade



MONTHWISE TEACHING PLAN 2020-21

(EVEN SEMESTER)

Name of the Staff: *Dr. Chandrakala Patil*
Class: B.Sc II Sem Subject: *Zoology* Paper: *Z2-chordata & oestology*

Month (working Days)	Syllabus to be covered	Remarks
May (23 Days)	Unit II - General characters and classification upto class level with suitable examples. Types of scales.	
June (26 Days)	Types of Fins in Fishes. Unit IV :- General characters and classification upto orders (living orders) with suitable examples.	
July (26 Days)	Key for identification of Poisonous and Non-Poisonous Snakes of India. (Snakes of India Poisonous - Cobra, Hydrophis) Non-Poisonous - Python, Typhlop.	
August (25 Days)	General characters and classification Eg: - Anguilla, Exocoetus, Hippocampus Eg: - Notopterus, Ichthyophis, Salamander.	
September (25 Days)	General characters:- Bufo, Rana, Hyla. Naja Naja, Hydrophis, Parrot, Bat, Mongoose, Squirrel, Rabbit.	

May-4th Online classes,

July 5th Offline classes,

Sept-13th Last working day.

Chand
STAFF

Chand
CO-ORDINATOR

Chand
Head of Department of Zoology
Smt. V.G. Degree College for Women
KALABURAGI-586102
PRINCIPAL
PRINCIPAL
Smt. V.G. Degree College for Women



H. K. E. Society's
Smt. V. G. Degree College & PG centre for for Women,
Kalaburagi
Affiliated to K.S.A. M. W. U. Vijayapura-NAAC Accredited "A" Grade



MONTHWISE TEACHING PLAN 2020-21
(EVEN SEMESTER)

Name of the Staff:

Class: B.Sc VI Sem

Subject: Zoology Paper: 6.1:- Cell biology & Embryology

Month (working Days)	Syllabus to be covered	Remarks
May (23 Days)	Cell Biology: - History of cell biology and its branches cell theory, cell fractionation ultra structure of animal cell.	
June (26 Days)	Cell organelles: structure and functions of Plasma membrane, Mitochondria, Golgi Complex, Lysosomes, Endoplasmic Reticulum.	
July (26 Days)	Structure and functions of Ribosomes. Nucleus, Centrioles. Cell cycle - Mitosis and Meiosis, Regulation of cell-cycle.	
August (25 Days)	Biology of Cancer - Types of Cancer, characteristics of cancer cell, carcinogenic agents (Physical, chemical & biological) Reproductive System - Menstrual cycle	
September (25 Days)	its regulations. Structure of sperm and ovum, ovulation, cleavage, morula, blastocyst, Implantation. Modern Methods: - Sperm bank, IVF., cloning, Surrogate Mother	

May-4th Online classes,

July 5th Offline classes,

Sept-13th Last working day.

STAFF

CO-ORDINATOR

Head of Department of Zoology

Smt. V.G. Degree College for Women
KALABURAGI-585102
Smt. V.G. Degree College for Women
KALABURAGI



H. K. E. Society's
Smt. V. G. Degree College & PG centre for for Women,
Kalaburagi
Affiliated to K.S.A. M. W. U. Vijayapura-NAAC Accredited "A" Grade



MONTHWISE TEACHING PLAN 2020-21

(EVEN SEMESTER)

Name of the Staff: *Deshra bala jain*

Class: B.Sc VI Sem

Subject: *Zoology*

Paper: *6.2 - Ecology, Zoogeography & Wild life.*

Month (working Days)	Syllabus to be covered	Remarks
May (23 Days)	Unit II :- Animal Relationship - Mutualism Commensalism, Parasitism Ammensalism. Predation and Competition with relevant examples. Agencies engaged in wild life.	
June (26 Days)	Habitat Ecology :- Marine Habitat: Physico- chemical feature, Ecological Zonation and classification of marine biota Deep sea adaptation. Freshwater Habitat:- Physico-chemical features and Biota.	
July (26 Days)	Mangroves. Fresh water habitat :- Physico chemical features of lentic and lotic water bodies. Ecological adaptations of fresh water animals in lotic habitat.	
August (25 Days)	Terrestrial habitat :- A brief account of Biomes - Tundra, Taiga, Evergreen forest Desert. Faunal adaptation to desert condition Zoogeographical Realms :- Subdivisions	
September (25 Days)	Geographic distribution of animals - Continuous & discontinuous distribution. Topographic barriers. Wild life Problems Conservation & Management.	

May-4th Online classes,

July 5th Offline classes,

Sept-13th Last working day.

[Signature]
STAFF

[Signature]
CO-ORDINATOR

[Signature]
Head of Department of Zoology
PRINCIPAL



H. K. E. Society's
Smt. V. G. Degree College & PG centre for for Women,
Kalaburagi
Affiliated to K.S.A. M. W. U. Vijayapura-NAAC Accredited "A" Grade



MONTHWISE TEACHING PLAN 2020-21

(EVEN SEMESTER)

Name of the Staff: *Dr. Chandhabala Talh*

Class: B.Sc IV Sem

Subject: *Zoology*

Paper: *Z-4 - Physiology & Biochemistry*

Month (working Days)	Syllabus to be covered	Remarks
May (23 Days)		
June (26 Days)		
July (26 Days)	<i>Endocrine-glands! - Functions of Mammalian endocrine glands Pituitary, Thyroid, Parathyroid, Pancreas, Adrenal, Testis ovary. Hormonal changes in Women.</i>	
August (25 Days)	<i>Qualitative test for the detection of carbohydrates, Protein Abnormal constituents of urine.</i>	
September (25 Days)	<i>Determination of hematin crystals from own blood.</i>	

May-4th Online classes,

July 5th Offline classes,

Sept-13th Last working day.

Dr. Chandhabala Talh
STAFF

Dr. Chandhabala Talh
CO-ORDINATOR

Dr. Chandhabala Talh

Dr. Chandhabala Talh
PRINCIPAL

Head of Department of Zoology
Smt. V.G. Degree College for Women
KALABURAGI-585102

Smt. V.G. Degree College for Women
KALABURAGI-585102



H. K. E. Society's
Smt. V. G. Degree College & PG centre for for Women,
Kalaburagi
Affiliated to K.S.A. M. W. U. Vijayapura-NAAC Accredited "A" Grade



MONTHWISE TEACHING PLAN 2020-21

(EVEN SEMESTER)

Name of the Staff: Dr. Devadas Chetty

Class: B.Sc II Sem

Subject: Zoology

Paper: Biology of Chordata & Osteology

Month (working Days)	Syllabus to be covered	Remarks
May (23 Days)		
June (26 Days)	<u>Unit V</u> General characters & classification up to order with suitable examples of class Birds	
July (26 Days)	<u>Flight Adaptation of Birds & Economic</u> <u>Importance of birds.</u> Class- Mammals! Gen. Charac & Classification with examples. <u>TYPE Study of Rat, respiratory</u> <u>digestive, Nutritive & Urinary & Reproductive.</u>	
August (25 Days)		
September (25 Days)		

May-4th Online classes,

July 5th Offline classes,

Sept-13th Last working day.

STAFF

CO-ORDINATOR

Head of Department of Zoology

Smt. V.G. Degree College for Women

KALABURAGI-585

PRINCIPAL

Smt. V.G. Degree College for Women,

KALABURAGI



H. K. E. Society's
Smt. V. G. Degree College & PG centre for for Women,
Kalaburagi
Affiliated to K.S.A. M. W. U. Vijayapura-NAAC Accredited "A" Grades



MONTHWISE TEACHING PLAN 2020-21

(EVEN SEMESTER)

Name of the Staff: *Dr. Devasdas chetty*

BSZ60062

Class: *B.Sc V Sem*

Subject: *Zoology*

Paper: *Ecology, Zoogeography and wild life Biology*

Month (working Days)	Syllabus to be covered	Remarks
May (23 Days)		
June (26 Days)		
July (26 Days)	<i>Ecology Unit I Introduction, Defn, Subdivisions Scope of Ecology, light effect on Animals & Temp. effect on temp.</i>	
August (25 Days)	<i>Unit III Ecosystem. Component & functions of ecosystem Natural & man made Man made engineered ecosystem. Types of food Chain with examples Food web, Ecological Pyramids Study of Pond Types & types Zooth - it detail</i>	
September (25 Days)		

May-4th Online classes,

July 5th Offline classes,

Sept-13th Last working day.

[Signature]
STAFF

[Signature]
CO-ORDINATOR

[Signature]

[Signature]
PRINCIPAL

Head of Department of Zoology
Smt. V.G. Degree College for Women,
KALABURAGI-585102
Smt. V.G. Degree College for Women,
KALABURAGI



H. K. E. Society's
Smt. V. G. Degree College & PG centre for for Women,
Kalaburagi
Affiliated to K.S.A. M. W. U. Vijayapura-NAAC Accredited "A" Grade



MONTHWISE TEACHING PLAN 2020-21

Name of the Staff: **veeresh kumar pedd.** (EVEN SEMESTER)

Class: B.Sc II Sem

Subject: **Zoology**

Paper: **Biology of chordate & osteology.**

Month (working Days)	Syllabus to be covered	Remarks
May (23 Days)	Syllabus discussion, Introduction to chordates. <u>Unit I</u> , General characters & outline classification of phylum chordate upto class with examples.	
June (26 Days)	General characters of subphylum, unchordata, Cephalochordata, & vertebrata. class - cyclostomata.	
July (26 Days)	General characters with suitable examples & general organisation of Petromyzom.	
August (25 Days)	<u>Unit II</u> : Amphibia General characters & classification upto orders with suitable examples, ecology, & distribution of Ichthyophis, Hyla, Bufo & Salamandra.	
September (25 Days)	Reptiles.	

May-4th Online classes,

July 5th Offline classes,

Sept-13th Last working day.

STAFF

CO-ORDINATOR
Head of Department of Zoology
Smt. V.G. Degree College for Women,
KALABURAGI-585102

PRINCIPAL
PRINCIPAL
Smt. V.G. Degree College for Women,
KALABURAGI



H. K. E. Society's
Smt. V. G. Degree College & PG centre for for Women,
Kalaburagi
Affiliated to K.S.A. M. W. U. Vijayapura-NAAC Accredited "A" Grade



MONTHWISE TEACHING PLAN 2020-21

(EVEN SEMESTER)

Name of the Staff: Veeresh Kumar Patel

Class: B.Sc IV Sem

Subject: Zoology

Paper: Physiology & Biochemistry

Month (working Days)	Syllabus to be covered	Remarks
May (23 Days)	Physiology Introduction <u>Unit 4: Circulation</u> : Type of circulation - structure, functions & regulation of human heart, blood pressure, composition of human blood, neurogenic & myogenic hearts.	
June (26 Days)	<u>Unit 3: Respiration</u> - External & internal respiration - Respiratory Pigments, Hemoglobin, haemocyanin & haemoerythrin, Transport of O ₂ & CO ₂	
July (26 Days)	<u>Unit 6: muscle contraction</u> : principle type of muscles, ultrastructure of striated muscle, contractile proteins - myosin, actin, tropomyosin, adinin & troponin, mechms of muscle contraction, sliding filament theory.	
August (25 Days)	<u>Unit 2: Digestion</u> : mechanical digestion & chemical digestion of proteins, carbohydrates & lipids.	
September (25 Days)	Revision, practical exams.	

May-4th Online classes,

July 5th Offline classes,

Sept-13th Last working day.

V Patel
STAFF

G Patel
CO-ORDINATOR
Head of Department of Zoology
Smt. V.G. Degree College for Women
KALABURAGI-585102

M. S. S.
PRINCIPAL
PRINCIPAL
Smt. V.G. Degree College for Women,
Kalaburagi



H. K. E. Society's
Smt. V. G. Degree College & PG centre for for Women,
Kalaburagi
Affiliated to K.S.A. M. W. U. Vijayapura-NAAC Accredited "A" Grade



MONTHWISE TEACHING PLAN 2020-21

(EVEN SEMESTER)

Name of the Staff: Veeresh Kumar Patel

Class: B.Sc VI Sem

Subject: Zoology

Paper: 6.1 Cell developmental Biology

Month (working Days)	Syllabus to be covered	Remarks
May (23 Days)	Introduction to cell developmental Biology, syllabus discussion.	
June (26 Days)	<u>Unit VI</u> Early development of frog. Structure of ovum, cleavage & gastrulation, development of frog; structure of hen's egg.	
July (26 Days)	<u>Unit IV</u> Introduction. Branches of embryology. Scope of embryology. Theories of development, preformation & epigenetic theory, gametogenesis, spermatogenesis, oogenesis, comparison between them.	
August (25 Days)	<u>Unit V</u> Fertilization kinds of fertilization, approach of gametes, fertilization & antifertilization, acrosome-reaction, cortical reaction, Amphimixis, polyspermic fertilization, significance of fertilization.	
September (25 Days)	Revision, practical exam.	

May-4th Online classes,

July 5th Offline classes,

Sept-13th Last working day.

V Patel
STAFF

V Patel
CO-ORDINATOR
Head of Department of Zoology
Smt. V.G. Degree College for Women
KALABURAGI-585102

M S S
PRINCIPAL
Smt. V.G. Degree College for Women
KALABURAGI



H. K. E. Society's
Smt. V. G. Degree College for Women,
Kalaburagi
Affiliated to A. M. W. U. Vijayapura-NAAC Accredited "A" Grade



MONTHWISE TEACHING PLAN 2020-21
(ODD SEMESTER)

Name of the Staff: *Suhasini Gubbinaad*

Class: *B.Sc I Sem*

Subject: *Biotechnology* paper: *Cell biology and cytogenetics*

Month (working Days)	Syllabus to be covered	Remarks
September (25 Days)		
October (23 Days)		
November (23 Days)		
December (15 Days)	<i>Mutations, Types of mutations, characteristics, Spontaneous mutations, Induced mutations, Mutagens: Physical and Chemical mutagens, mutations at molecular level, Mutations in plants, animals & microbes for the economic benefit of man. Karyotype in man.</i>	
Jan (16 Days)	<i>Inherited disorders - Autosomal - Klinefelter's syndrome, Turner's syndrome, Autosomal disorders - Down's syndrome, Cri-duchat syndrome, Sex determination. Concept of allosomes & autosomes - XX-XY, XX-XO, ZW, ZZ, ZO-ZZ types.</i>	

Suhasini
STAFF
(*Suhasini Gubbinaad*)

G. R. D.
CO-ORDINATOR

A. S. S.
PRINCIPAL
PRINCIPAL
Smt. V.G. Degree College for Women,
KALABURAGI.



H. K. E. Society's
Smt. V. G. Degree College for Women,
Kalaburagi
Affiliated to A. M. W. U. Vijayapura-NAAC Accredited "A" Grade

MONTHWISE TEACHING PLAN 2020-21

(ODD SEMESTER)

Name of the Staff: *Suhasini Gubbewad*

Class: B.Sc III Sem

Subject: Biotechnology Paper: Microbiology & Immunology

Month (working Days)	Syllabus to be covered	Remarks
September (25 Days)		
October (23 Days)	Introduction, History and scope of Immunology Immunity - types of immunity, Innate immunity, Acquired immunity, Active and Passive immunity Humoral and cell mediated immune response. Antigens - types of antigens, epitope, paratope.	
November (23 Days)	Effector phase, Blood group antigens. Antibodies - structure & types - IgG, IgM, IgA, IgE, IgD, Properties of antibodies, functions of antibodies. Antigen - Antibody reactions - Precipitation, Agglutination Complement fixation, Immunofluorescence, Immunodiffusion, RIA, ELISA	
December (15 Days)	Cells & organs of immune system - Primary lymphoid organs Thymus, Bone marrow, Secondary lymphoid organs - Lymph node, Spleen, MALT, T-cells, B-cells, Natural Killer cells, Macrophages. Antibody mediated immunity	
Jan (16 Days)	Cell mediated immunity, allergies, types of allergy hypersensitivity, IgE mediated antibody hypersensi- -vity reactions.	

Suhasini
STAFF
(*Suhasini Gubbewad*)

[Signature]
CO-ORDINATOR

[Signature]
PRINCIPAL
PRINCIPAL
Smt. V.G. Degree College for Women,
KALABURAGI.



H. K. E. Society's
Smt. V. G. Degree College for Women,
Kalaburagi
Affiliated to A. M. W. U. Vijayapura-NAAC Accredited "A" Grade

MONTHWISE TEACHING PLAN 2020-21

(ODD SEMESTER)

Name of the Staff: *Suhasini Gubbenad*

Class: B.Sc V Sem

Subject: *Biotechnology*

Plant and Animal Biotechnology
(5.2)

Month (working Days)	Syllabus to be covered	Remarks
September (25 Days)		
October (23 Days)	Maintenance of cell lines, Monolayer culture Suspension culture - stirred tank bioreactor.	
November (23 Days)	Applications of stirred tank bioreactors, Continuous flow culture, Air lift fermentors, its uses & applications Cloning primary cell culture, types of culture vessels, Established cell lines, Somatic cell fusion, method, procedure application Organ culture, whole embryo culture & chick embryo culture.	
December (15 Days)	Applications of Animal cell culture in Regenerative medicine In vitro fertilization, Embryo transfer & applications, Applications of Biotechnology in apiculture, sericulture & Aqua culture In vitro haploid production & their applications. Somaclonal variations & cell line selection, Somatic embryogenesis & synthetic seeds & cryopreservation.	
Jan (16 Days)	Protoplast isolation & fusion and somatic hybridization in crop improvement. Marker study RFLP, RAPD, Micro-satellites or SSR's & EST's in crop plants. Plant secondary metabolite production through cell culture.	

Suhasini
STAFF

(*Suhasini Gubbenad*)

Gubbenad
CO-ORDINATOR

H. K. E. Society's
PRINCIPAL

PRINCIPAL
Smt. V.G. Degree College for Women,
KALABURAGI.



H. K. E. Society's
Smt. V. G. Degree College for Women,
Kalaburagi
Affiliated to A. M. W. U. Vijayapura-NAAC Accredited "A" Grade

MONTHWISE TEACHING PLAN 2020-21

(ODD SEMESTER)

Name of the Staff: *Smt. mangala. Bradar*

Class: B.Sc I Sem

Subject: *cell biology* Paper: *1-1*
cytogenetics

Month (working Days)	Syllabus to be covered	Remarks
September (25 Days)		
October (23 Days)		
November (23 Days)		
December (15 Days)	<i>Chromosomes - morphology - organization - centromere, Telomere, Euchromatin, Heterochromatin, Karyotype, nucleosome model, special type of chromosomes: salivary gland & lampbrush chromosomes.</i>	
Jan (16 Days)		

STAFF

CO-ORDINATOR

PRINCIPAL

Smt. mangala. Bradar

[Signature]
PRINCIPAL
Smt. V.G. Degree College for Women,
Kalaburagi



H. K. E. Society's
Smt. V. G. Degree College for Women,
Kalaburagi
Affiliated to A. M. W. U. Vijayapura-NAAC Accredited "A" Grade

MONTHWISE TEACHING PLAN 2020-21

(ODD SEMESTER)

Name of the Staff: Smt. mangala. Bradar

Class: B.Sc Sem III Subject: microbiology Paper: 3.1

Month (working Days)	Syllabus to be covered	Remarks
September (25 Days)	Introduction & scope of microbiology. Definition & history of microbiology. contribution of Antony van Leeuwenhoek, Louis Pasteur, Robert Koch, Joseph Lister & Alexander Fleming. compound, dark field microscope, electron microscope. sterilization - physical & chemical methods.	
October (23 Days)	Radiation methods of sterilization. stains & staining techniques. principles of types of stain. General characters of viruses & Bacteria.	
November (23 Days)	pathogenic microorganisms - tuberculosis typhoid, cholera & AIDS. culture media - types. isolation of bacteria & fungi. preservation of cultures. microbial growth curve. nutritional requirements of microorganism	
December (15 Days)		
Jan (16 Days)		

STAFF

Smt. mangala. Bradar

CP

CO-ORDINATOR

Shruti

PRINCIPAL

PRINCIPAL

Smt. V.G. Degree College for Women,
KALABURAGI



H. K. E. Society's
Smt. V. G. Degree College for Women,
Kalaburagi
Affiliated to A. M. W. U. Vijayapura-NAAC Accredited "A" Grade

MONTHWISE TEACHING PLAN 2020-21

(ODD SEMESTER)

Name of the Staff: Smt. mangala. Biradar
Class: B.Sc Sem V Subject: Genetic Engineering Paper: 5-1

Month (working Days)	Syllabus to be covered	Remarks
September (25 Days)	Introduction to G.E. gene cloning methods & application of G-E R-E classification, nomenclature. types, DNAase, RNAase, polymerases, si nucleases, vectors PCR, pUC, Bacteriophage -lambda, phage-M13	
October (23 Days)	cosmids, YAC, Shuttle vectors gene introducing methods in prokaryotes & Eukaryotes Direct screening, direct selection, indirect screen nucleic acid probes, Blotting techniques southern blotting, Northern blotting, PCR-Applications.	
November (23 Days)	Biochip & sequencing, DNA-finger, pointing genomic Library & application, c-DNA library production of α -vaccines, Hepatitis-B vaccine HGH, Insulin.	
December (15 Days)	Human genome project. Bioinformatics. Biosafety.	
Jan (16 Days)		

STAFF

Smt. mangala. Biradar

CO-ORDINATOR

[Signature]
PRINCIPAL

Smt. V. G. Degree College for Women,
KALABURAGI



H. K. E. Society's
Smt. V. G. Degree College for Women,
Kalaburagi
Affiliated to A. M. W. U. Vijayapura-NAAC Accredited "A" Grade

MONTHWISE TEACHING PLAN 2020-21

(ODD SEMESTER)

Name of the Staff: Dr. Parvathi

Class: B. Sc. Sem III Subject: Chemistry Paper: III

Month (working Days)	Syllabus to be covered	Remarks
September (25 Days)	<u>Alcohols classification monohydric alcohols, W.P.T.C methods preparation, Crigand reagent hydration, hydroboration, monohydric alcohols, O-H & C-O bonds. Linkages. Hydrogen bonding in alcohols, mechanism of alcohols.</u>	
October (23 Days)	<u>by acetic acid, dihydric alcohols chemical reaction and oxidative cleavage. Pinacol pinacol rearrangement. Preparation of glycol phenols classification acidic character alcohols. phenols, Stabilization of phenoxide</u>	
November (23 Days)	<u>Aromatic substitution, acylation carbonyl addition, Fries rearrangement, Claisen, Gattermann, Halesch, Leimer rearrangement, Reimer-Tiemann reaction, ethers and epoxides</u>	
December (15 Days)	<u>Nomenclature physical property, Autooxidation, Fehling's method and ceric chloride Synthesis of epoxides, acid base catalyzed ring opening of epoxides, orientation of epoxides, ring opening of organic with</u>	
Jan (16 Days)	<u>use of reagent, epoxides chemical reaction of epoxides.</u>	

[Signature]
STAFF

[Signature]
HEAD

[Signature]
CO-ORDINATOR

[Signature]
PRINCIPAL



H. K. E. Society's
Smt. V. G. Degree College for Women,
Kalaburagi
Affiliated to A. M. W. U. Vijayapura-NAAC Accredited "A" Grade

MONTHWISE TEACHING PLAN 2020-21
(ODD SEMESTER)

Name of the Staff: *Dr. Parvathi*

Class: *B.Sc* Sem *V* Subject: *Chemistry* Paper: *S-1*

Month (working Days)	Syllabus to be covered	Remarks
September (25 Days)	Electrochemistry: Conductance (specific, molar, equivalent), conductance, cell constant, dep. equivalent conductance with dilution, ionic mobility, relation bet ⁿ them, application of conductance measurements, titration of strong	
October (23 Days)	acid strong base, mixture of weak acid and strong base, Electrolysis weak electrolyte in definite solution, Catalytic catalytic reactions - Acid base titration, kinetics of acid-base react ⁿ	
November (23 Days)	order, mechanism of pH dependence degree of rate of catalyzed reactions Belsov-Zhabotinski reaction qualitative approach, the Brusselator and Oregonator model	
December (15 Days)		
Jan (16 Days)		

[Signature]
STAFF

[Signature]
HEAD

[Signature]
CO-ORDINATOR

[Signature]
PRINCIPAL

CHEMISTRY DEPARTMENT
SMT V.G. COLLEGE FOR WOMEN
GULBARGA - 585 102

ಶ್ರೀಮತಿ ಬೀರಮ್ಮ ಗಂಗಾಧರಿ ಮಹಿಳಾ
ಮಹಾವಿದ್ಯಾಲಯ, ಕಲಬುರಗಿ.



H. K. E. Society's
Smt. V. G. Degree College for Women,
Kalaburagi
Affiliated to A. M. W. U. Vijayapura-NAAC Accredited "A" Grade

MONTHWISE TEACHING PLAN 2020-21
(ODD SEMESTER)

Name of the Staff: Dr. Pasvathi

Class: B.Sc Sem V Subject: Chemistry Paper: 5.2

Month (working Days)	Syllabus to be covered	Remarks
September (25 Days)	Carbohydrates: classification as non-reducing, reducing, anomers of glucose & mannose. Form of glycosides configurations. Mechanism of mutarotation, cyclic str.	
October (23 Days)	Size ring of monosaccharides, Introduction of disaccharides: maltose, lactose, sucrose, polysaccharides: starch, cellulose involving spiral determination	
November (23 Days)	Terpenoids: occurrence, classification, Isolation, Diels-Alder reaction, application, synthesis, Elucidation str of citral and a terpenoid. Alkaloids: classification with examples	
December (15 Days)	Elucidation str of cocaine, nicotine, and synthesis of cocaine, nicotine, str and uses of Atropine and Cocaine. Chemistry of new materials conducting polymers	
Jan (16 Days)	Int ⁿ , Polymeric, polycyclic mechanism of coordination, diph ^y properties, Biological applications. Superconductors: defn type I & II, V, B, Cu, oxides. Nanomaterials: properties, applications. Carbon nanotubes, Industrial applications: nanosilver, vapor liquid states, applications	

STAFF

HEAD

CO-ORDINATOR

PRINCIPAL

CHEMISTRY DEPARTMENT
SMT V.G. COLLEGE FOR WOMEN
GULBARGA-585 002

Handwritten notes in Kannada script at the bottom right.



H. K. E. Society's
Smt. V. G. Degree College for Women,
Kalaburagi
Affiliated to A. M. W. U. Vijayapura-NAAC Accredited "A" Grade

MONTHWISE TEACHING PLAN 2020-21

(ODD SEMESTER)

Name of the Staff: Miss. Mamata S.H
Class: B.Sc. Sem: I Subject: Chemistry Paper: I

Month (working Days)	Syllabus to be covered	Remarks
September (25 Days)	<u>Unit-I: Atomic Structure:</u> Wave-mechanical model - Schrodinger wave equation for hydrogen atom, Eigen Values, Eigen functions, probability density, significance of ψ & ψ^2 , shape of s, p, d & f orbitals, Quantum numbers, Rules governing the electronic configuration: Aufbau Principle, Hund's rule, P.e.P & (n+l) rule, E.C of elements upto a.no. 60.	
October (23 Days)	<u>Periodic properties:</u> Atomic & ionic radii, I.E, E.A, E.N, Debye methods of determination trends in periodic table & applications in predicting & explaining the chemical behaviour. <u>Unit -II: Principles of Volumetric Analysis:</u> Titration types of titrations, equivalence point, choice of indicators,	
November (23 Days)	Standard solutions, (Normality, Molality, Molarity & PPM), Primary Standard. a) Acid-base titrations, b) Precipitation titrations, c) Redox titration, d) Complexometric titrations. <u>Unit: VI: Gaseous State: Introduction</u>	
December (15 Days)	<u>Critical Phenomena:</u> PV isotherms of real gases, Continuity of states, the isotherms of Vander Waals equation, relationship b/w critical constants & Vander Waals constants, the law of corresponding states, reduced eq ⁿ of state, Molecular velocities: Root mean square, average & most probable velocities, Qualitative discussion of the Maxwell's distribution of molecular velocities, collision number, mean free path & collision diameter.	
Jan (16 Days)	<u>Unit: VII: Liquid State:</u> Intermolecular forces: Structure of liquids, structural differences b/w Solids, Liquids & gases, Liquid crystals: Difference b/w liquid crystal, solid & liquid; Classification, Structure of nematic & cholesteric phases. <u>Solid state:</u> Laws of Crystallography, Law of Constancy of interfacial angles, X.R.I, L.S.E in crystals, Derivation of Bragg's equation, determination of crystal structure of NaCl.	

STAFF

HEAD

CO-ORDINATOR

PRINCIPAL



H. K. E. Society's
Smt. V. G. Degree College for Women,
Kalaburagi
Affiliated to A. M. W. U. Vijayapura-NAAC Accredited "A" Grade

MONTHWISE TEACHING PLAN 2020-21

(ODD SEMESTER)

Name of the Staff: Miss Mamata S.H

Class: B.Sc. Sem III Subject: Chemistry Paper: III

Month (working Days)	Syllabus to be covered	Remarks
September (25 Days)	<u>Unit VI: Chemical Kinetics</u> Second order reaction, derivation of second order rate equation when $a=b$, experimental methods of determination of order of reaction (differential, half &	
October (23 Days)	isolation methods). Theory of reaction rates - qualitative treatment of collision theory of bimolecular reactions, theory of unimolecular reactions (Lindemann's hypothesis). An elementary account of transition state theory. Comparison of C.T & T.S.T.	
November (23 Days)	<u>Unit VII: Thermodynamics - I</u> First law of thermodynamics, enthalpy & its relation with internal energy molar heat capacities of gases. (C_p & C_v) relation b/w them to be derived.	
December (15 Days)	Expression for maximum work done during reversible isothermal expansion of an ideal gas, Joule-Thomson effect, Joule-Thomson coefficient, inversion temp numerical problems.	
Jan (16 Days)	<u>Colloidal State</u> : Electrical properties, stability of colloids, protective action, Hardy-Schulze rule, Gold number. Liquids in liquids, Liquids in Solids (gels): Classification, preparation & properties, imbibition, general applications of colloids.	

STAFF

HEAD

CO-ORDINATOR

PRINCIPAL



H. K. E. Society's
Smt. V. G. Degree College for Women,
Kalaburagi

Affiliated to A. M. W. U. Vijayapura-NAAC Accredited "A" Grade

MONTHWISE TEACHING PLAN 2020-21

(ODD SEMESTER)

Name of the Staff: Dr. Shivang D. Waje

Class: B.Sc V Sem

Subject: CHEMISTRY Paper: 5.2

Month (working Days)	Syllabus to be covered	Remarks
September (25 Days)	<u>Unit I:- Coordination Compounds:-</u> Complex Salts & double Salts Werner's theory of complex, Selgwick's theory of EAN Concept, Types of Ligands - monodentate, polydentate & ambidentate. Factors affecting the stability of complexes. Nomenclature of Coordination Comp. Geometrical isomerism of complex with C.N. 4 & 6.	
October (23 Days)	<u>Unit II:- Bonding in coordination compounds:-</u> Valence Bond Theory (VBT), Pauling assumptions, inner and outer orbital complexes. with example forms of bonds on the basis of VBT. $[Co(NH_3)_4]^{2+}$, $[NiCO_4]$, $[Ni(CN)_4]^{2-}$, $[Fe(CN)_6]^{4-}$, $[Fe(CN)_6]^{-3}$	
November (23 Days)	<u>Unit III:- Organic reagents in Inorganic analysis:-</u> Introduction, Significance of organic reagents, properties and structure of DMG, EDTA, oxine & orthophenanthroline. Applications of each of the above reagents in qualitative and quantitative analysis.	
December (15 Days)	<u>Unit IV:- Spectroscopy of Organic Compounds:-</u> <u>Ultraviolet Spectroscopy (UV):-</u> Principles & measurements, electronic excitation, Simple chromophoric groups. Conjugated, extended conjugation & aromatic system. Expts by taking examples of acetaldehyde & benzaldehyde and Acetone & Acetophenone.	
Jan (16 Days)	<u>Infrared Spectroscopy (IR):-</u> molecular vibrations, Principle & measurements, Absorption of common functional groups -NH ₂ , -NH, -OH, -C=N, -C≡N, >C=O, -COOR, finger print region of aromatic compounds.	

STAFF

HEAD

CO-ORDINATOR

PRINCIPAL

CHEMISTRY DEPARTMENT
SMT V.G. COLLEGE FOR WOMEN
GULBARGA-585 102

ಪ್ರಾಚಾರ್ಯರು
ಶ್ರೀಮತಿ ದೀಪ್ತಿ ಗಂಗೂಬ. ಮಹಾ
ಮಹಾವಿದ್ಯಾಲಯ, ಕಲಬುರಗಿ



H. K. E. Society's
Smt. V. G. Degree College for Women,
Kalaburagi
Affiliated to A. M. W. U. Vijayapura-NAAC Accredited "A" Grade

MONTHWISE TEACHING PLAN 2020-21

(ODD SEMESTER)

Name of the Staff: Dr. Shivaraj Mulagi

Class: B.Sc V Sem

Subject: CHEMISTRY Paper: 5.1.

Month (working Days)	Syllabus to be covered	Remarks
September (25 Days)	<u>Unit I:- Bio-Inorganic Chemistry:-</u> Essential & Trace elements in biological process. Metalloporphyrins with special reference to haemoglobin & myoglobin. Biological role of alkali & alkaline earth metals ions. with special reference to Ca^{2+} Nitrogen-fixation.	
October (23 Days)	<u>Unit II:- Inorganic Polymers:-</u> Types of Inorganic Polymers. Comparison with organic polymers. Synthesis, structural aspects & applications of Borazole, Silicones, O-phosphorotriethyls. Fluorocarbons -Teflon	
November (23 Days)	<u>Unit III:- Heterocyclic Compounds:-</u> Molecular orbital picture, and aromatic character of pyrrole, furan, thiophene & Pyridine. Methods of forms & reactions of pyrrole, furan, thiophene & pyridine. Comparison of basicity of Pyrrole, pyridine and piperidine.	
December (15 Days)	Condensed five & six membered heterocycles:- preparation and reactions of Indole & Quinoline - Fischer-Indole Synthesis and Skraup synthesis. <u>Unit IV:- Organometallic Compds:-</u> Organomagnesium Compds - Grignard reagents - form & Chem. reactions.	
Jan (16 Days)	<u>Organozinc Compds:-</u> form & Chemical reactions - <u>Organolithium Compds:-</u> form & chemical reactions, <u>Organosulphur Compds:-</u> Nomenclature, str. features, methods of form & chem. reacns of Thiols, Thioethers, Sulphonic acids, Sulphaguanidine & Sulphenamide.	

STAFF

HEAD

CHEMISTRY DEPARTMENT
SMT V.G. COLLEGE FOR WOMEN
GULBARGA-585 102

CO-ORDINATOR

PRINCIPAL

ಪ್ರಾಚಾರ್ಯರು
ಶ್ರೀಮತಿ ಶಿವರಾಜ್ ಗಂಗಾಧರಿ ಮಹಿಳಾ
ವಹಾಬಿದ್ಯಾಲಯ, ಕಲಬುರಗಿ



H.K.E. SOCIETY'S
SMT. VEERAMMA GANGASIRI DEGREE COLLEGE FOR WOMEN GULBARGA - 585
102
NAAC- ACCREDITED "A" GRADE (3rd Cycle)
Affiliated to Karnataka State Akkamahadevi Women's
university, vijayapura



MONTHWISE TEACHING PLAN-2020-2021
(ODD SEMESTER)

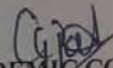
Name of the staff: Miss. Smita S Patil

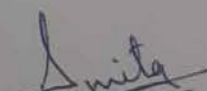
Class: B.com V Sem

Sub: MS-Office and E-Commerce

Month (Working Days)	Syllabus to be covered	Remarks
October (09 days)	MS Word: Meaning ,Features, Advantages & Applications of Word Processing, Elements of MS Word Application Window, Toolbars, Entering text, formatting, editing & saving a document Moving & Copying text, Formatting Text & Paragraph, Applying Bullets & Numbering, Find & Replace, Inserting object, Date & Time, Headers & Footers, Auto Correct, Spelling & Grammar Checking. Working with Tables – Inserting, Filing & Formatting a table. Mail Merge – Meaning, Advantages, Creating merged letters.	
November (22 days)	Advanced MS Excel : Formulas , Functions (Mathematical, Logical, Statistical, Financial), Graphs (Line, Bar, Area, Pie etc), Data sorting, filtering & Grouping. 08 3 MS Access: Introduction, Data, information, Database file, Record, Fields, Meaning, Features,	
December (26 days)	Advantages & Disadvantages & Application of MS Access. Parts of MS Access Window – Tables, Forms, Queries & Reports – Data Validity Checks 08 4 MS PowerPoint: Introduction, Meaning, Features, advantages & Application of MS PowerPoint. Parts of MS PowerPoint window, menus & toolbars, Creating through auto content wizard, Design templates & Blank Presentation, Slide show – Saving, Opening & Closing a Presentation, Inserting, Editing & Deleting slides, Types of Slides, Slide layouts,	
January (24 days)	Slide views, Insert and modify tables and charts, Add sound and video to a slide presentation, insert clipart images and shapes to slides, Insert and edit animations and slide transitions 10 5 E-Commerce: Overview of E-Commerce, Meaning, E-Commerce based activities,	
February (09 days)	Goals of E-Commerce Technical Components of E-Commerce, Functions, Advantages & Disadvantages of E-Commerce, Scope of E-Commerce, ECommerce Applications Business Models : B2B, B2C, C2C & C2B	

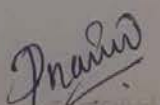
- Note:** 1. Opening day :
2. Commencement of Class :
3. Completion of Syllabus :
4. Closing Day :


ACADEMIC COORDINATOR


SIGNATURE OF THE STAFF


PRINCIPAL

PRINCIPAL
Smt. V.G. Degree College for Women
GULBARGA.


Dept. of Commerce
Smt. V. G. Womens College,
GULBARGA.



H.K.E. SOCIETY'S
SMT. VEERAMMA GANGASIRI DEGREE COLLEGE FOR WOMEN,
GULBARGA - 585 102
NAAC- ACCREDITED "A" GRADE (3rd Cycle)
Affiliated to Akkamahadevi Women's University, Vijayapura

MONTHWISE TEACHING PLAN 2020 – 2021
(Odd Semester)



NAME OF THE STAFF: SMITA PATIL CLASS: B.SC I SEM SUB: MS-OFFICE & C-PROGRAMMING

MONTH (WORKING DAYS)	SYLLABUS TO BE COVERED	REMARKS
OCT (23 Days)	UNIT-I: MS-OFFICE Word Processing, features of word processing, menus & commands, toolbar, creating document, saving a document, printing a document, paragraph setting, working with tables Inserting clipart,	
NOV (23 Days)	Inserting pictures, use word art, inserting shapes, header and footer, inserting bullets and numbering. UNIT-II:C-PROGRAMMING Algorithms and Flowcharts., Basic structure of C Program Programming Style, Executing a C Program	
DEC (25 Days)	UNIT-III Constants Variables and data types, Operators, Logical operators, Conditional Operators, Bitwise operators, Special operators, Precedence of operators, Arithmetic expression, type conversion in expression, UNIT-IV Input, output functions, formatted input and output	
JAN (19 Days)	Decision making with if statement, simple if statement, else if statement, Nested if-else statement, the else if ladder, the switch statement, goto statement. The while statement, do-while statement, for statement, jump statement, character, strings, one-dimensional arrays, two dimensional arrays, and multidimensional array	

1. OPENING DAY: :20/10/2020
2. COMPLETION OF SYLLABUS: :19/01/2021
3. CLOSING DAY: :20/01/2021

STAFF

ACADEMIC COORDINATOR

PRINCIPAL
PRINCIPAL
Smt. V.G. Degree College for Women
GULBARGA

Smt. V. G. Womens College
GULBARGA.



**H.K.E. SOCIETY'S
SMT. VEERAMMA GANGASIRI DEGREE COLLEGE FOR WOMEN
GULBARGA - 585 102**

NAAC- ACCREDITED "A" GRADE (3rd Cycle)
Affiliated to Akkamahadevi Women's University, Vijayapura



**MONTHWISE TEACHING PLAN 2020 - 2021
(Odd Semester)**


NAME OF THE STAFF :SMT.SHWETA KOTE CLASS :B.Sc III Sem

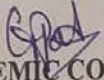
SUB:C++

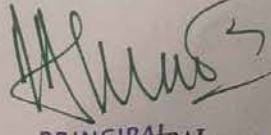
MONTH (WORKING DAYS)	SYLLABUS TO BE COVERED	REMARKS
SEP (26 Days)	<p>UNIT I Overview of C++; Object Oriented Programming concepts, advantages, C++ program development environment, the C++ language standards, C++ as a superset of C. Classes & Objects: classes, structure & classes, union & classes, inline function, scope resolution operator, static class members: static data member, static member function, passing objects to function, returning objects, object assignment, constructors & destructors, friend function, friend classes.</p> <p>UNIT II References & Dynamic Allocation Operators: array of objects, pointers to object, type checking C++, pointers, the this pointer, pointer to derived types, pointer to class members, reference parameter,</p>	
OCT (23 Days)	<p>call by reference and return by reference, passing references to objects, returning reference, C++'s dynamic allocation operators, allocating objects.</p> <p>UNIT III Overloading as polymorphism: function & operator overloading, operator overloading restrictions, operator overloading using friend function.</p> <p>Namespaces: global namespace and namespace std, nested namespaces</p> <p>Inheritance : base class access control, inheritance & protected members, protected base Class inheritance, inheriting multiple base classes, constructors, destructors & inheritance, execution of constructor & destructor functions, passing parameters to base class constructors, granting access, virtual base classes .</p>	
NOV (23 Days)	<p>Virtual Functions & Polymorphism: virtual function, pure virtual functions, early vs. late binding.</p> <p>UNIT IV Templates and Exception Handling: Exception handling in C++, try, throw, catch sequence, multiple catch blocks, uncaught exceptions, catch-all exception handler, Templates: Reason for templates, compactness and flexibility, function template, class templates. The C++ I/O System Basics: C++ Streams, the basic stream classes, c++ predefined streams, formatted I/O file processing.</p> <p>UNIT V :Overview of the Standard Template Library: The Standard Template Library, Design goals, Header files,</p>	
DEC (25 Days)	<p>STL components, STL Example: vectors, lists, maps, sets. Containers-Vector, Deque, List, Associative Containers, Set, Multiset, Map, Multimap. Iterators: Input iterators, Output iterators, Forward iterators, Backward iterators.</p>	

1. OPENING DAY: :01/9/2020
2. COMPLETION OF SYLLABUS: :04/01/2021
3. CLOSING DAY: :20/01/2021


STAFF


Dept. of Computer Science
Smt. V. G. Womens College,
GULBARGA


ACADEMIC COORDINATOR


PRINCIPAL
Smt. V.G. Degree College for Women
GULBARGA



**H.K.E. SOCIETY'S
SMT. VEERAMMA GANGASIRI DEGREE COLLEGE FOR WOMEN
GULBARGA - 585 102**

NAAC- ACCREDITED "A" GRADE (3rd Cycle)
Affiliated to Akkamahadevi Women's University, Vijayapura

**MONTHWISE TEACHING PLAN 2020 - 2021
(ODD Semester)**



NAME OF THE STAFF: SMT. SAPNA SHERIKAR CLASS: B.SC V SEM

SUB: 5.1 DS USING C

MONTH (WORKING DAYS)	SYLLABUS TO BE COVERED	REMARKS
SEP (26 Days)	Advanced C: Dynamic memory allocation and pointers in C- Declaring and initializing pointers, Pointer & Functions, Pointer & Arrays, Pointer & Strings, Pointer & Structure, Pointer to Pointer. Static and dynamic memory allocation. Memory allocation functions: malloc, calloc, free and realloc. File Management in C: Defining and Opening & Closing File, Input & Output Operations on Files, Random Access to Files, UNIT II : Introduction to Data structures: Definition, Classification of data structures: primitive and non-primitive. Operations on data structures Search: Basic Search Techniques- sequential search, Binary search- Iterative and Recursive methods. Sort- General Background: Definition, different types: Bubble sort, Selection sort, Merge sort, Insertion sort, Quick sort	
OCT (23 Days)	UNIT III :- Recursion: Definition, Recursion in C, Writing Recursive programs – Binomial coefficient, Fibonacci, GCD, towers of Hanoi. Stack – Definition, Array representation of stack, Operations on stack-push and pop, Infix, prefix and postfix notations, Conversion of an arithmetic expression from Infix to postfix, applications of stacks.	
NOV (23 Days)	UNIT IV :- Queue - Definition, Array representation of queue, Types of queue: Simple queue, circular queue, double ended queue (deque) priority queue, operations on all types of Queues. UNIT V :- Linked list – Definition, components of linked list, representation of linked list, advantages and disadvantages of linked list, Arrays versus linked list, Types of linked list: Singly linked list, doubly linked list,	
DEC (25 Days)	Circular linked list and circular doubly linked list. Operations on singly linked list: creation, insertion, deletion, search and display. Implementation of stack and queues using linked list.	

1. OPENING DAY: :01/9/2020
2. COMPLETION OF SYLLABUS: :04/01/2021
3. CLOSING DAY: :20.01.2021

Sapna
STAFF

G.P.
ACADEMIC COORDINATOR

Smt. V.G.
PRINCIPAL

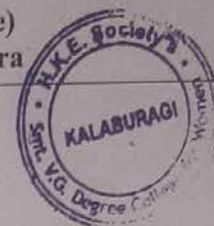
Sapna
Dept. of Computer Science
Smt. V. G. Womens College,
GULBARGA,

Smt. V.G. Degree College for Women
GULBARGA.



H.K.E. SOCIETY'S
SMT. VEERAMMA GANGASIRI DEGREE COLLEGE FOR WOMEN
GULBARGA - 585 102

NAAC- ACCREDITED "A" GRADE (3rd Cycle)
Affiliated to Akkamahadevi Women's University, Vijayapura



MONTHWISE TEACHING PLAN 2020-2021

(Odd Semester)

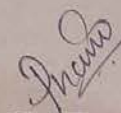
Name of the staff: Smt. Premila S Toran

CLASS: B.Sc V SEM

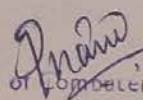
SUB: 5.2 Jav

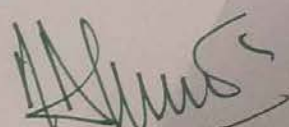
MONTH (WORKING DAYS)	SYLLABUS TO BE COVERED	REMARKS
SEPT (26 Days)	UNIT I: History of Java, features of Java, JDK Environment, Java Virtual Machine, Java Runtime environment. Identifiers and Keywords, data types, variables, Java coding Conventions, expressions, control structures, decision making statements, Arrays and its methods, Garbage collection & finalize() method. UNIT II: Java classes, define class with instance variables and methods, object creation, accessing member of class,	
OCT (23 Days)	argument passing, Constructors, Method overloading, static data, static methods, static blocks, this keyword, Nested & Inner classes, Wrapper Classes, String (String Arrays, String Methods, StringBuffer, StringBuilderr) UNIT III: Inheritance: Super class & subclass, abstract method and classes, method overriding, final keyword, super keyword, down casting and up casting, dynamic method dispatch.	
NOV (23 Days)	Packages and Interfaces: Importing classes, user defined packages, modifiers & access control (Default, public, private, protected, private protected), implementing interfaces, user defined interfaces, Adapter classes, Exploring java.lang package: Wrapper classes, Math class. Exploring java.util package: Vector, Scanner, Date, Calendar, StringTokenizer, and Random. UNIT IV: Exception handling: Types of Exceptions, try, catch, finally, throw, throws keywords, creating your own exception, nested try blocks, multiple catch statements,	
DEC (25 Days)	user defined exceptions. Java Input Output: Java IO package, File, Class Byte/Character Stream, Buffered reader / writer, File reader / writer Print writer File Sequential / Random Serialization and de serialization. Unit V: Multithreading: Multithreading Concept, Java thread model, Main thread, creating a thread, creating multiple threads, using is Alive() and join(), thread priorities, synchronization, Inter-thread communication, suspending, resuming and stopping threads, using multithreading	

1. OPENING DAY: :01/9/2020
2. COMPLETION OF SYLLABUS: :04/01/2021
3. CLOSING DAY: :20/01/2021


STAFF


ACADEMIC COORDINATOR


Dept. of Computer Science
Smt. V. G. Womens College,
GULBARGA,


PRINCIPAL
Smt. V.G. Degree College for Women
GULBARGA



**H.K.E. SOCIETY'S
SMT. VEERAMMA GANGASIRI DEGREE COLLEGE FOR WOMEN
GULBARGA - 585 102**

NAAC- ACCREDITED "A" GRADE (3rd Cycle)
Affiliated to Akkamahadevi Women's University, Vijayapur



MONTHWISE TEACHING PLAN 2020-2021
(Odd Semester)

Name of the staff: Smt. Sapna Sherikar

CLASS: B.A III SEM

SUB: Computer Applications

MONTH (WORKING DAYS)	SYLLABUS TO BE COVERED	REMARKS
SEPT (26 Days)	<p>I. Introduction: Computer, data processing, characteristic features of computers, computer evolution to present form, computer generation. Basic computer organization: Basic operations performed by computers, basic organization of computer system, input units and its functions, output units and its functions. Number systems: Binary number system, conversion from decimal to binary and binary to decimal: integer examples only (eg. converting 35 to binary and vice-versa). Computer Codes: representation of data in binary, commonly used computer codes (BCD, EBCDIC, ASCII, Unicode - few examples of data representation).</p> <p>II. Processor and memory: Types of processors, main memory organization, random access memory, read only memory, cache memory. Secondary storage: secondary storage devices and their needs, commonly used secondary storage devices</p>	
OCT (23 Days)	<p>sequential and direct access storage devices, basic principles of commonly used secondary storage devices (magnetic disk, optical disk, flash drives, memory card, disk array). IO devices: commonly used input output (IO) devices. Software: Types of softwares, system software, application software and users of computer systems.</p> <p>III. Word Processing: Word processing concepts, saving, closing, Opening an existing document, Selecting text, Editing text, Finding and replacing text, printing documents Running an Application, Windows Explorer, Creating and Renaming of files and folders, Control Panels IV. Overview of Networking: An introduction to computer networking, Network types (LAN, WAN, MAN)</p>	
NOV (23 Days)	<p>Network topologies, Modes of data transmission, Forms of data transmission, Transmission channels (media). Fundamentals of Electronic Mail: Basic email facts, Email advantages and disadvantages, Email addresses, passwords, and user-ids, Hypertext Markup Language, Web page creation- An example of HTML page.</p>	

Sapna
Academic Coordinator

Sapna
Dept. of Computer Science
Smt. V. G. Womens College,
GULBARGA,



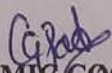
UNIT V: The Internet: What is the Internet?, Internet History, The Way the Internet Works. The World Wide Web: The World Wide Web defined, commonly used web browsers.

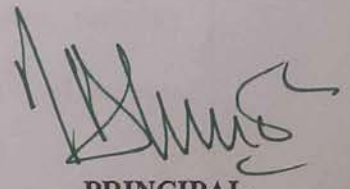
Searching the World Wide Web: Directories, Search Engines, and Metasearch Engines, Search Fundamentals, Search Strategies, the Way a Search Engine Works. Telnet and FTP: Telnet and Remote Login, File Transfer, Computer Viruses Revision, QP Discussion, Seminars, Lab program explanation

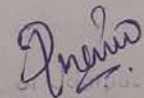
DEC
(25 Days)

1. OPENING DAY: :01/9/2020
2. COMPLETION OF SYLLABUS: :04/01/2021
3. CLOSING DAY: :20/01/2021


STAFF


ACADEMIC COORDINATOR


PRINCIPAL


Smt. V. G. Womens Colleg.
GULBARGA.



**H.K.E. SOCIETY'S
SMT. VEERAMMA GANGASIRI DEGREE COLLEGE FOR WOMEN
GULBARGA - 585 102**

NAAC- ACCREDITED "A" GRADE (3rd Cycle)
Affiliated to Akkamahadevi Women's University, Vijayapura



MONTHWISE TEACHING PLAN 2020-2021

(Odd Semester)

Name of the staff: Smt. Shweta Kote CLASS: B.Sc III SEM SUB: Computer Application

MONTH (WORKING DAYS)	SYLLABUS TO BE COVERED	REMARKS
SEPT (26 Days)	<p>I. Introduction: Computer, data processing, characteristic features of computers, computer evolution to present form, computer generation.</p> <p>Basic computer organization: Basic operations performed by computers, basic organization of computer system, input units and its functions, output units and its functions. Number systems: Binary number system, conversion from decimal to binary and binary to decimal: integer examples only (eg. converting 35 to binary and vice-versa).</p> <p>Computer Codes: representation of data in binary, commonly used computer codes (BCD, EBCDIC, ASCII, Unicode - few examples of data representation).</p>	
OCT (23 Days)	<p>II. Processor and memory: Types of processors, main memory organization, random access memory, read only memory, cache memory. Secondary storage: secondary storage devices and their needs, commonly used secondary storage devices, sequential and direct access storage devices, basic principles of commonly used secondary storage devices (magnetic disk, optical disk, flash drives, memory card, disk array). IO devices: commonly used input output (IO) devices.</p> <p>Software: Types of softwares, system software, application software and users of computer systems.</p> <p>III. Word Processing: Word processing concepts, saving, closing,</p>	
NOV (23 Days)	<p>Opening an existing document, Selecting text, Editing text, Finding and replacing text, printing documents Running an Application, Windows Explorer, Creating and Renaming of files and folders, Control Panels IV. Overview of Networking: An introduction to computer networking, Network types (LAN, WAN, MAN), Network topologies, Modes of data transmission, Forms of data transmission, Transmission channels (media). Fundamentals of Electronic Mail: Basic email facts</p>	
DEC (25 Days)	<p>Email advantages and disadvantages, Email addresses, passwords, and user-ids, Hypertext Markup Language, Web page creation- An example of HTML page.</p> <p>UNIT V: The Internet: What is the Internet?, Internet History, The Way the Internet Works. The World Wide Web: The World Wide Web defined, commonly used web browsers. Searching the World Wide Web: Directories, Search Engines, and Metasearch Engines, Search Fundamentals, Search Strategies, the Way a Search Engine Works.</p> <p>Telnet and FTP: Telnet and Remote Login, File Transfer, Computer Viruses</p> <p>Revision, QP Discussion, Seminars, Lab program explanation</p>	

Shweta Kote
Academic Coordinator


Dept. of Computer Science
Smt. V. G. Degree College,
GULBARGA,


1. OPENING DAY: :01/9/2020
2. COMPLETION OF SYLLABUS: :04/01/2021
3. CLOSING DAY: :20/01/2021




STAFF


ACADEMIC COORDINATOR


PRINCIPAL


Dept. of Computer Science
Smt. V. G. Womens College,
GULBARGA,



H.K.E. SOCIETY'S
SMT. VEERAMMA GANGASIRI DEGREE COLLEGE FOR WOMEN

GULBARGA - 585 102

NAAC- ACCREDITED "A" GRADE (3rd Cycle)
 Affiliated to Akkamahadevi Women's University, Vijayapura



MONTHWISE TEACHING PLAN 2020-2021

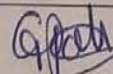
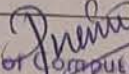
(Odd Semester)

Name of the staff: Smt. Premila S Toran

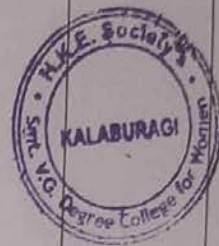
CLASS: B.com &BBM III SEM

SUB: Computer Applications

MONTH (WORKING DAYS)	SYLLABUS TO BE COVERED	REMARKS
SEPT (26 Days)	<p>I. Introduction: Computer, data processing, characteristic features of computers, computer evolution to present form, computer generation. Basic computer organization: Basic operations performed by computers, basic organization of computer system, input units and its functions, output units and its functions. Number systems: Binary number system, conversion from decimal to binary and binary to decimal: integer examples only (eg. converting 35 to binary and vice-versa). Computer Codes: representation of data in binary, commonly used computer codes (BCD, EBCDIC, ASCII, Unicode - few examples of data representation).</p> <p>II. Processor and memory: Types of processors</p>	
OCT (23 Days)	<p>main memory organization, random access memory, read only memory, cache memory. Secondary storage: secondary storage devices and their needs, commonly used secondary storage devices sequential and direct access storage devices, basic principles of commonly used secondary storage devices (magnetic disk, optical disk, flash drives, memory card, disk array). IO devices: commonly used input output (IO) devices. Software: Types of softwares, system software, application software and users of computer systems.</p> <p>III. Word Processing: Word processing concepts, saving, closing, Opening an existing document, Selecting text, Editing text</p>	
NOV (23 Days)	<p>Finding and replacing text, printing documents Running an Application, Windows Explorer, Creating and Renaming of files and folders, Control Panels IV. Overview of Networking: An introduction to computer networking, Network types (LAN, WAN, MAN) Network topologies, Modes of data transmission, Forms of data transmission, Transmission channels (media).</p>	
DEC (25 Days)	<p>Fundamentals of Electronic Mail: Basic email facts, Email advantages and disadvantages, Email addresses, passwords, and user-ids, Hypertext Markup Language, Web page creation- An example of HTML page. UNIT V: The Internet: What is the Internet?, Internet History, The Way the Internet Works. The World Wide Web: The World Wide Web defined, commonly used web browsers.</p>	


 Academic Coordinator

 Dept. of Computer Science
 Smt. V. G. Women's College,
 GULBARGA.

Searching the World Wide Web: Directories, Search Engines, and Metasearch Engines, Search Fundamentals, Search Strategies, the Way a Search Engine Works. Telnet and FTP: Telnet and Remote Login, File Transfer, Computer Viruses Revision, QP Discussion, Seminars, Lab program explanation



1. OPENING DAY: :01/9/2020
2. COMPLETION OF SYLLABUS: :04/01/2021
3. CLOSING DAY: :20/01/2021

STAFF

ACADEMIC COORDINATOR

PRINCIPAL

Dept. of Computer Science
Smt. V. G. Womens College,
GULBARGA.

H.K.E. SOCIETY'S
SMT. VEERAMMA GANGASIRI DEGREE COLLEGE FOR WOMEN,
GULBARGA - 585 102
NAAC- ACCREDITED "A" GRADE (3rd Cycle)
Affiliated to Akkamahadevi Women's University, Vijayapura



MONTHWISE TEACHING PLAN 2020 – 2021
(Odd Semester)

NAME OF THE STAFF: SMITA PATIL CLASS: B.COM V SEM SUB: COMPUTER APPLICATION-II

MONTH (WORKING DAYS)	SYLLABUS TO BE COVERED	REMARKS
SEP (26 Days)	MS Word: Meaning ,Features, Advantages & Applications of Word Processing, Elements of MS Word Application Window, Toolbars, Entering text, formatting, editing & saving a document Moving & Copying text, Formatting Text & Paragraph, Applying Bullets & Numbering, Find & Replace, Inserting object, Date & Time, Headers & Footers, Auto Correct, Spelling & Grammar Checking. Working with Tables – Inserting, Filing & Formatting a table. Mail Merge – Meaning, Advantages, Creating merged letters.	
OCT (23 Days)	Advanced MS Excel : Formulas , Functions (Mathematical, Logical, Statistical, Financial), Graphs (Line, Bar, Area, Pie etc), Data sorting, filtering & Grouping MS Access: Introduction, Data, information, Database file, Record, Meaning, Features, Advantages & Disadvantages & Application of MS Access	
NOV (23 Days)	. Parts of MS Access Window – Tables, Forms, Queries & Reports – Data Validity Checks MS PowerPoint: Introduction, Meaning, Features, advantages & Application of MS Power Point .Parts of MS PowerPoint window, menus & toolbars, Creating through auto content wizard,	
DEC (25 Days)	Design templates & Blank Presentation, Slide show – Saving, Opening & Closing a Presentation, Inserting, Editing & Deleting slides, Types of Slides, Slide layouts, Slide views, Insert and modify tables and charts, Add sound and video to a slide presentation, insert clipart images and shapes to slides, Insert and edit animations and slide transitions. E-Commerce: Overview of E-Commerce, Meaning, E-Commerce based activities, Goals of E-Commerce Technical Components of E-Commerce,	
JAN (19 Days)	Functions, Advantages & Disadvantages of E-Commerce, Scope of E-Commerce, E Commerce Applications Business Models: B2B, B2C, C2C & C2B.	

1. OPENING DAY: :01/9/2020
2. COMPLETION OF SYLLABUS: :04/01/2021
3. CLOSING DAY: :20/01/2021

Smita Patil
STAFF

[Signature]
ACADEMIC COORDINATOR

[Signature]
 Dept. of Computer Science
Smt. V. G. Womens College,
GULBARGA.

[Signature]
PRINCIPAL
Smt. V.G. Degree College for Women
GULBARGA.



H.K.E. SOCIETY'S
SMT. VEERAMMA GANGASIRI DEGREE COLLEGE FOR WOMEN GULBARGA - 585
102

NAAC- ACCREDITED "A" GRADE (3rd Cycle)
Affiliated to Karnataka State Akkamahadevi Women's
university, vijayapura



MONTHWISE TEACHING PLAN-2020-2021
(ODD SEMESTER)



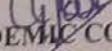
Name of the staff: Miss. Smita S Patil

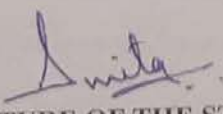
Class: B.com V Sem

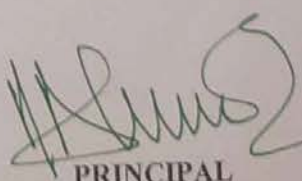
Sub: MS-Office and E-Commerce

Month (Working Days)	Syllabus to be covered	Remarks
October (09 days)	MS Word: Meaning ,Features, Advantages & Applications of Word Processing, Elements of MS Word Application Window, Toolbars, Entering text, formatting, editing & saving a document Moving & Copying text, Formatting Text & Paragraph, Applying Bullets & Numbering, Find & Replace, Inserting object, Date & Time, Headers & Footers, Auto Correct, Spelling & Grammar Checking, Working with Tables – Inserting, Filing & Formatting a table. Mail Merge – Meaning, Advantages, Creating merged letters.	
November (22 days)	Advanced MS Excel : Formulas , Functions (Mathematical, Logical, Statistical, Financial), Graphs (Line, Bar, Area, Pie etc), Data sorting, filtering & Grouping, 08 3 MS Access: Introduction, Data, information, Database file, Record, Fields, Meaning, Features,	
December (26 days)	Advantages & Disadvantages & Application of MS Access. Parts of MS Access Window – Tables, Forms, Queries & Reports – Data Validity Checks 08 4 MS PowerPoint: Introduction, Meaning, Features, advantages & Application of MS PowerPoint. Parts of MS PowerPoint window, menus & toolbars, Creating through auto content wizard, Design templates & Blank Presentation, Slide show – Saving, Opening & Closing a Presentation, Inserting, Editing & Deleting slides, Types of Slides, Slide layouts,	
January (24 days)	Slide views, Insert and modify tables and charts, Add sound and video to a slide presentation, insert clipart images and shapes to slides, Insert and edit animations and slide transitions 10 5 E-Commerce: Overview of E-Commerce, Meaning, E-Commerce based activities,	
February (09 days)	Goals of E-Commerce Technical Components of E-Commerce, Functions, Advantages & Disadvantages of E-Commerce, Scope of E-Commerce, ECommerce Applications Business Models : B2B, B2C, C2C & C2B	

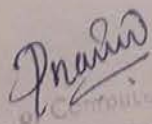
- Note: 1. Opening day :
2. Commencement of Class :
3. Completion of Syllabus :
4. Closing Day :


ACADEMIC COORDINATOR


SIGNATURE OF THE STAFF


PRINCIPAL

PRINCIPAL
Smt. V.G. Degree College for Women
GULBARGA.


Dept. of Computer Science
Smt. V. G. Womens College,
GULBARGA,



H.K.E Society's
Smt. Veeramma Gangasiri College for Women Gulbarga
Affiliated to K. S. A. M. W. U. Vijayapur-NAAC Accredited 'A' Grade



MONTH WISE TEACHING PLAN 2020-21

DD
(Semester)

Staff: Dr. R. B. Konda Class: B Sc I Sem

Sub: Electronics

Paper: 1.1 Electronic Circuits

Month	Syllabus to be covered	Remarks
Sept. 4 th 2020 (21 days)	<p>UNIT-I: Transient Analysis of RC and RL Circuits: 8 Hrs</p> <p>Series RC circuit excited by DC source charging and discharging of a capacitor (derivations), graphical representation. RC time constant and its importance.</p> <p>Series RL circuit excited by DC source Growth and decay of current (derivations), graphical representation. RL time constant and its importance.</p> <p>Series RC, RL and RLC circuits excited by AC source: Impedance and phase angle (derivation) study of phasor diagram.</p> <p>Series and parallel RLC circuit: Definition of Resonance, condition of resonance, resonant frequency, bandwidth and quality factor (derivation). Significance of quality factor.</p>	
Oct (22 days)	<p>UNIT-II: Circuit analysis:</p> <p>Current and voltage source: Ideal and real voltage and current source. DC resistive circuits: Voltage and current divider theorems open and short circuits, Kirchhoff's laws, mesh analysis and node voltage method.</p> <p>UNIT-III: Network Theorems: Thevenin theorem Norton's theorem, Superposition theorem, maximum power transfer theorem, reciprocity theorem and Milliman's theorem.</p>	
Nov (17 Days)	<p>UNIT-IV: Semiconductor devices:</p> <p>Construction, working, Characteristics and applications: P-N junction diode, Zener diode, Varactor diode, Transistor- NPN/PNP-working CB,CE and CC mode, current gain - alpha, beta, gamma, relations-input and output characteristics of CB and CE configuration leaking current. Field Effect Transistor.</p> <p>Unit - V: Opto-Semiconductor devices:</p> <p>Construction, working, characteristics and applications of - LED, Photo diode, Photo transistor, Opto-couplers, LDR, Solar Cell, Laser diode, LCD and Seven segment LED display.</p>	
Dec (23 days)	<p>UNIT - VI: Power Semiconductor devices:</p> <p>Construction, working, characteristics and applications of -SCR, DIAC, TRIAC, UJT, MOSFET and IGBT.</p> <p>UNIT - VII: Number Systems:</p> <p>Decimal, binary, octal and hexadecimal - their conversion. BCD numbers (8421), Arithmetic operations in binary, hexadecimal and BCD addition. Sign magnitude conversion, 1's and 2's complements -2's complement subtraction, Signed number arithmetic-addition.</p>	

Staff Signature

HOD

Principal

Department of Electronics
Smt. V.G.D. College for Women
KALABURAGI.

Smt. V.G. Degree College for Women,
GULBARGA.

Academic
Coordinator



H. K. E. Society's
Smt. V. G. Degree College for Women,
Kalaburagi
Affiliated to K. S. A. M. W. U. Vijayapura-NAAC Accredited "A" Grade

MONTHWISE TEACHING PLAN 2020-21

(ODD SEMESTER)

Name of the Staff: Prof. Y N Ravindra Class: B Sc V Sem(5.1) Subject: Electronics



Month (working Days)	Syllabus to be covered	Remarks
Sept. 4 th 2020 (21 Days)	<p>UNIT I: Transmission lines: Type of transmission lines, Distributed parameters of T-line, T- line equation, Characteristics Impedance, Propagation Constant, Frequency and Phase distortion. Condition for distortion less T- line. Standing waves and Reflection co-efficient.</p> <p>UNIT II: Antenna: Definition of Antenna, Working of antenna, Antenna Parameters, Types of Antenna. Dipole antenna, Power radiated by dipole antenna and Yagi antenna.</p>	
Oct (22 Days)	<p>UNIT -III: Modulation Techniques: Amplitude Modulation: Need for modulation, Expression for AM waves, modulation index, Frequency spectrum, Power relations. AM modulators; Base, Emitter and Collector Modulator using Transistor. Various transmission schemes. Balanced modulator For DSB-SC. Block diagram and description of AM transmitter. Problems</p> <p>UNIT-IV: Frequency Modulation(FM) Definition of FM, Expression for FM waves, Frequency spectrum of FM ,Modulation Index. FM Modulator: Varactor diode modulator and FET reactance modulator. Comparison of AM and FM system.Problems</p>	
Nov (17 Days)	<p>UNIT - V: AM Demodulation: Definition of AM demodulation, Square Law diode detector, Linear diode detector and AGC.</p> <p>UNIT - VI: FM Demodulation: Definition of FM demodulation, Single slope detector, Balanced Slope detector , Foster-Seeley Discriminator and Ratio detector.</p>	
Dec (23 Days)	<p>UNIT - VII: Radio Receivers: Functions of Radio Receiver, Receiver Characteristics: AM TRF receiver, AM and FM Super Heterodyne Receiver.</p>	

STAFF

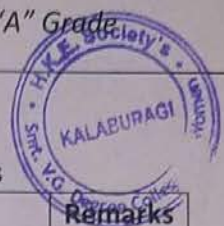
COORDINATOR
Department of Electronics
Smt. V.G.D. College for Women
KALABURAGI.

PRINCIPAL
Smt. V.G. Degree College for Women
GUL BARGA.

Academic Coordinator



H. K. E. Society's
 Smt. V. G. Degree College for Women,
 Kalaburagi
 Affiliated to K. S. A. M. W. U. Vijayapura-NAAC Accredited "A" Grade



MONTHWISE TEACHING PLAN 2020-21

(ODD SEMESTER)

Name of the Staff: Dr. R. B. Konda Class: B Sc V Sem(5.2) Subject: Electronics

Syllabus to be covered

Remarks

Month (working Days)	Syllabus to be covered	Remarks
Sept. 4 th 2020 (21 Days)	<p>UNIT - I: D to A converter Data converters- D to A converters- Binary weighted resistors network, R-2R ladder network and Performance Parameter of DAC.</p> <p>UNIT-II :A to D converter Counter type ADC, Dual slope integrating type, Successive approximation method and Flash converters. Performance Parameter of ADC</p>	
Oct (22 Days)	<p>UNIT – III: Memory device: Introduction to Primary and Secondary Memories. RAM – Static and Dynamic. ROM, EPROM, EEPROM, CCDs, RAM array diode matrix.</p> <p>UNIT – IV: 8085 Microprocessor: 8085-based Microcomputer System: The 8085 MPU, Architecture and Pin configuration, Instruction cycle and timing diagram.</p>	
Nov (17 Days)	<p>UNIT-V: Instruction Set of 8085: Introduction, Instruction and data format, Addressing modes, Status flags, 8085 instruction; Data transfer group, Arithmetic group, Logical group, Branch group, Stack group, I/O and Machine control group.</p>	
Dec (23 Days)	<p>UNIT – VI: Programming 8085: Introduction, Assembly language and High level language, Stacks , Sub routines, Examples Assembly language programs.</p> <p>UNIT – VII: Peripheral and Their Interfacing 8085: Introduction, Address space portioning, Memory and I/O Interfacing, Data transfer schemes: Interrupts of 8085</p>	

[Signature]
 STAFF

[Signature]
 CO-ORDINATOR
 Department of Electronics
 Smt. V.G.D. College for Women
 KALABURAGI.

[Signature]
 PRINCIPAL
 Smt. V.G. Degree College for Women
 GULBARGA.

[Signature]
 Academic
 Coordinator



H. K. E. Society's
Smt. V. G. Degree College for Women,
Kalaburagi
Affiliated to A. M. W. U. Vijayapura-NAAC Accredited "A" Grade



MONTHWISE TEACHING PLAN 2020-21

(ODD SEMESTER)

Name of the Staff: Dr. Veena P.H.

Class: B.Sc V Sem

Subject: Maths

Paper: 5.1, 5.2, 5.3

Month (working Days)	Syllabus to be covered	Remarks
September (25 Days)	Introduction about new syllabus - containing 3 papers is given 5.1: III unit - Laplace transforms 5.2: III unit - Improper integrals 5.3: II unit - Total Diff eqns	
October (23 Days)	5.1: L.T continued 5.2: Cond ⁿ of exactness - TDE - continued 5.3: Reln bet ⁿ Beta & Gamma funs continued	
November (23 Days)	5.1: Fouries. series - I unit 5.2: PDE started - Formation & sol ⁿ of PDE 5.3: Vector Analysis - III unit vector identities	
December (15 Days)	5.1: III unit: Linear transformations, 5.2: $f(p, q) = 0$ - Charpits method I unit started 5.3: Greens, Gauss and Stokes thm and problems there on - unit I started	
Jan (16 Days)	5.1 - Nullity-Rank Thm in L.T 5.2 - I. unit - LDE continued - of second order and completed 5.3 - Bessel fun $J_n(x)$ - in unit I - series sol ⁿ and completed	

STAFF & HOD

CO-ORDINATOR

PRINCIPAL

Dr. Veena P.H.
M.Sc., Ph.D.
Professor & H.O.D.
Dept. of Mathematics,
Smt. V.G. Women's Coll, G,
GULBARGA-585102

Smt. V.G. Degree College for Women,
GULBARGA.



H. K. E. Society's
Smt. V. G. Degree College for Women,
Kalaburagi
Affiliated to A. M. W. U. Vijayapura-NAAC Accredited "A" Grade

MONTHWISE TEACHING PLAN 2020-21

(ODD SEMESTER)

Name of the Staff: **AMBIKA PATIL**

Class: B.Sc I Sem

Subject: math's

Paper: 1.1

Month (working Days)	Syllabus to be covered	Remarks
September (25 Days)	Bridge course classes conducted. I. Complex numbers : \rightarrow Introduction and examples.	
October (23 Days)	polar form, De Moivre's theorem and problems. II. matrices : Introduction, Types & rank of matrix.	
November (23 Days)	matrices : \rightarrow Rank, by echelon & normal form. System homogeneous & non-homogeneous equations. Eigen values & Eigen vectors - Cayley Hamilton theorem.	
December (15 Days)	<u>Theory of Equations</u> : Relation b/w roots, Synthetic division, Transformation of equations, Cardan's method, Descartes's method.	
Jan (16 Days)	Revision of Complex number, and matrices.	

STAFF 40D

CO-ORDINATOR

PRINCIPAL

Dr. Veena P.H.

M.Sc., Ph.D.

Professor & H.O.D.

Dept. of Mathematics

Smt. V.G. Women's Co.

GULBARGA-585102

Smt. V.G. Degree College for Women
GULBARGA.



H. K. E. Society's
Smt. V. G. Degree College for Women,
Kalaburagi
Affiliated to A. M. W. U. Vijayapura-NAAC Accredited "A" Grade



MONTHWISE TEACHING PLAN 2020-21

(ODD SEMESTER)

Name of the Staff: Smt. Ambika Patil.

Class: B.Sc III Sem

Subject: Math's

Paper: 3.1

Month (working Days)	Syllabus to be covered	Remarks
September (25 Days)	Introduction to syllabus, I. Plane Trigonometry: Substitution of trigonometric func ⁿ by C+IS method. II. Integral Calculus.	
October (23 Days)	I. Integral Calculus:- Problems on definite Integrals. II. Polar Coordinates	
November (23 Days)	III. Polar coordinates - continuation of polar coordinates. IV unit: Sequences, & V. Infinite Series	
December (15 Days)	Infinite series: Test of convergence by Raabe's test, alternating series Revision of Integral Calculus.	
Jan (16 Days)	Revision of Infinite series, Polar Co-ordinates.	

STAFF

Dr. Veena P.H.

M.Sc, Ph.D.

Professor & H.O.D.

Dept. of Mathematics,

Smt. V.G. Women's College,

GULBARGA-585102

CO-ORDINATOR

PRINCIPAL

PRINCIPAL

Smt. V.G. Degree College for Women,
GULBARGA.



H. K. E. Society's
Smt. V. G. Degree College for Women,
Kalaburagi
Affiliated to A. M. W. U. Vijayapura-NAAC Accredited "A" Grade



MONTHWISE TEACHING PLAN 2020-21

(**ODD SEMESTER**)

Name of the Staff: **Dr. FARZANA JABEEN**

Class: **B.Sc I Sem**

Subject: **Zoology** Paper: **Biology of Non-chordata. (Paper 1.1)**

Month (working Days)	Syllabus to be covered	Remarks
SEP (25 Days)	—	
October (23 Days)	Bridge course Biology of Nonchordata - Introduction <u>Phylum Coelenterata</u> - General characters & classification	
November (23 Days)	<u>Phylum Coelenterata</u> contd - Morphology of hydra, Life cycle of hydra. <u>Phylum Arthropoda</u> : General characters & classification. <u>Prawn</u> : Morphology, Appendages, Digestive system, Nervous system. Mouth parts of cockroach & Butterfly.	
December (15 Days)	<u>Phylum Mollusca</u> : General characters & classification. <u>Unio</u> : Morphology, digestive & nervous system. <u>Phylum Echinodermata</u> : General characters & classification Larval forms of echinodermata.	
Jan (16 Days)	— Revision —	

Farzana Jabeen
STAFF

Farzana Jabeen
CO-ORDINATOR
Head of Department of Zoology
Smt. V.G. Degree College for Women
KALABURAGI-585102

Farzana Jabeen
PRINCIPAL
Smt. V.G. Degree College for Women,
KALABURAGI.



H. K. E. Society's
Smt. V. G. Degree College for Women,
Kalaburagi
Affiliated to A. M. W. U. Vijayapura-NAAC Accredited "A" Grade



MONTHWISE TEACHING PLAN 2020-21

(Ist SEMESTER)

Name of the Staff: **DR. FARZANA JABEEN**

Class: B.Sc^{III} Sem

Subject: Zoology Paper: Applied Zoology (Paper 3-1)

Month (working Days)	Syllabus to be covered	Remarks
SEP (25 Days)	<u>Poultry</u> Aim & scope of poultry. Indigenous & exotic breeds of fowls. Poultry farm management - Deep litter system & Cage system.	
October (23 Days)	<u>Contd. Poultry</u> : Rearing of layer birds in poultry - Chicks, growers & adult layers. Nutritive value of egg & poultry meat. Poultry diseases.	
November (23 Days)	<u>Vermiculture</u> : Concept & importance Procedure of vermiculture Small scale vermiculture Large scale vermiculture.	
December (15 Days)	<u>Contd. Vermiculture</u> . Role of earthworms in soil fertility. <u>Pearl culture</u> : Process of pearl formation. Microscopic structure of shell.	
Jan (16 Days)	- Revision -	

STAFF

CO-ORDINATOR
Head of Department of Zoology
Smt. V.G. Degree College for Women
KALABURAGI-585102

PRINCIPAL
Smt. V.G. Degree College for Women
KALABURAGI.



H. K. E. Society's
Smt. V. G. Degree College for Women,
Kalaburagi
Affiliated to A. M. W. U. Vijayapura-NAAC Accredited "A" Grade



MONTHWISE TEACHING PLAN 2020-21

(~~OLD~~ SEMESTER)

Name of the Staff: DR. FARJANA ZABEEN

Class: B.Sc V Sem

Subject: Zoology Paper: 5.2 (Animal behaviour, Evolution & Palaeontology)

Month (working Days)	Syllabus to be covered	Remarks
SEP (25 Days)	<u>Evolution</u> Introduction Theories of organic evolution: Lamarckism & Neo Lamarckism	
October (23 Days)	Darwin Wallace theory of Natural Selection Synthetic theory of evolution - Mutation, gene flow, genetic drift, natural selection, isolation.	
November (23 Days)	Palaeontology. Fossils & Fossilization. Types of fossils, Significance of fossils	
December (15 Days)	Origin & evolution of man.	
Jan (16 Days)	Revision	

Staff

CO-ORDINATOR
Head of Department of Zoology
Smt. V.G. Degree College for Women
KALABURAGI-586102

PRINCIPAL
Smt. V.G. Degree College for Women,
KALABURAGI.



H. K. E. Society's
Smt. V. G. Degree College for Women,
Kalaburagi
Affiliated to A. M. W. U. Vijayapura-NAAC Accredited "A" Grade

MONTHWISE TEACHING PLAN 2020-21

(Odd. SEMESTER)

Name of the Staff: Veeresh Kumar Patel
Class: B.Sc I Sem I Subject: Zoology Paper: Z1 Biology of nonchordates.

Month (working Days)	Syllabus to be covered	Remarks
SEP (25 Days)	-	
October (23 Days)	<u>Bridge Course:</u> Introduction to zoology, Branches of zoology, Animal classification principles, physiology & introduction to genetics.	
November (23 Days)	<u>Unit I:</u> Introduction to non-chordates. Principles of animal classification: Five Kingdom classification, concept of species, Animal nomenclature, phylum protozoa, chordates, life history of plamodiomonads.	
December (15 Days)	Phylum - <u>nematoda</u> , general characters with suitable examples, parasitic adaptations of Helminthes.	
Jan (16 Days)	<u>Unit V:</u> <u>Annelida:</u> General characters of phylum & classification up to class with distinctive characters & suitable ex. Type Study of Earth worms (Digestive, nervous).	

V Patel
STAFF

V Patel
CO-ORDINATOR

V Patel
Head of Department of Zoology,
Smt. V.G. Degree College for Women
KALABURAGI-585102

H. Kumar
PRINCIPAL
PRINCIPAL
Smt. V.G. Degree College for Women,
KALABURAGI.



H. K. E. Society's
Smt. V. G. Degree College for Women,
Kalaburagi
Affiliated to A. M. W. U. Vijayapura-NAAC Accredited "A" Grade



MONTHWISE TEACHING PLAN 2020-21

Name of the Staff: veeresh Kumar Patil (odd SEMESTER)

Class: B.Sc. Sem II

Subject: Zoology Paper: Applied zoology & histology.

Month (working Days)	Syllabus to be covered	Remarks
SEP (25 Days)	Unit III Sericulture :- concept of sericulture, introduction, scope of sericulture, monoculture :- mulberry plants, morus elba,	
October (23 Days)	Morus cadifolia, morus indica, morus nigra, morphology & life cycle of Bombyx mori, silkworm rearing & reeling, non mulberry silks, etc.	
November (23 Days)	Muga & Tassar silks, note on silkworm diseases, protozoan disease, pebrine viral disease, grasserie, fungal disease & bacterial disease, symptoms, remedy & control.	
December (15 Days)	Unit IV Dairy Farming :- Importance, scope of dairy farm animals, Breeds of cattle - local, Gir, sindhi, Jersey, Holstein, Breeds of Buffalo, Murrah, Surti, Nagpuri.	
Jan (16 Days)	Breeding programme to improve local breeds of cattle. Short test & Examining the students progress.	

veeresh
STAFF

G.P.
CO-ORDINATOR

H.K.E.
PRINCIPAL

G.P.
Head of Department of Zoology
Smt. V.G. Degree College for Women
KALABURAGI-586102

PRINCIPAL
Smt. V.G. Degree College for Women,
KALABURAGI



H. K. E. Society's
Smt. V. G. Degree College for Women,
Kalaburagi
Affiliated to A. M. W. U. Vijayapura-NAAC Accredited "A" Grade



MONTHWISE TEACHING PLAN 2020-21

(^{1. odd} SEMESTER)

Name of the Staff: veeresh Kumar patil

Class: B.Sc V Sem

Subject: Zoology

Paper: S.2 Animal Behaviour, evolution & paleontology.

Month (working Days)	Syllabus to be covered	Remarks
SEP (25 Days)	<u>Unit IV</u> memory & colouration: Definition, type of memory, protective aggressive & warning memory, with suitable examples.	
October (23 Days)	colouration - types of colouration, Aggressive, warning colouration, protective colouration, Advantages of colouration	
November (23 Days)	<u>Unit VI</u> speciation: concept of species - sympatric allopatric speciation, with examples.	
December (15 Days)	Evolution :- Introduction to evolution - micro evolution, detailed study on micro evolution, process of examples.	
Jan (16 Days)	macroevolution - Introduction, process with suitable examples, Revision & conducting Test.	

vpatil
STAFF

G. Patil
CO-ORDINATOR

Head of Department of Zoology
Smt. V.G. Degree College for Women
KALABURAGI-586102

H. K. E. Society's
PRINCIPAL

PRINCIPAL
Smt. V.G. Degree College for Women,
KALABURAGI



H. K. E. Society's
Smt. V. G. Degree College for Women,
Kalaburagi
Affiliated to A. M. W. U. Vijayapura-NAAC Accredited "A"



MONTHWISE TEACHING PLAN 2020-21

Name of the Staff: *Dr. Chandrakala Pali*
Class: B.Sc II Sem Subject: Zoology Paper: 3.1 paper

Month (working Days)	Syllabus to be covered	Remarks
SEP (25 Days)	- Caste system in Honeybees, what is apiculture and its importance. - Different species and races of honeybees - Mouth parts and sting of honeybee -	
October (23 Days)	- Morphology of worker bee. - Modern Method of apiculture - Chemical Composition of honeybee, honeywax, Bee Venom, Bee Pollination.	
November (23 Days)	- Honeybee - diseases - Bacterial, Protozoan, Viral. - Revision -	
December (15 Days)		
Jan (16 Days)		

CPali
STAFF

CPali
CO-ORDINATOR
Head of Department of Zoology
Smt. V. G. Degree College for Women
KALABURAGI-586102

Principals
PRINCIPAL
Smt. V.G. Degree College for Women,
KALABURAGI.



H. K. E. Society's
Smt. V. G. Degree College for Women,
Kalaburagi
Affiliated to A. M. W. U. Vijayapura-NAAC Accredited "A" Grade



MONTHWISE TEACHING PLAN 2020-21

Name of the Staff: Dr. Chandrakala Patil [Odd SEMESTER]
Class: B.Sc V Sem
Subject: Zoology Paper: 512

Month (working Days)	Syllabus to be covered	Remarks
SEP (25 Days)	- Social organization in Honeybee, Caste System in honeybees Queen, drones and workers, Communication in honeybee. - Social organization in Termites, Caste System in in <u>Malaguer</u>	
October (23 Days)	- Parental care in Fishes - Different types of Nest Constructed by fishes. Parental care in Amphibians - different types of nest Constructed by amphibians. - Nesting behaviour in Birds	
November (23 Days)	- Biological clock - origin & various types of rhythms, Chronobiology. - Innate behaviour - Kinesis, Taxes, Reflexes, Instincts, Motivation, Learned behaviour	
December (15 Days)	- Habituation, Imprinting, Conditioned reflex, Insight learning, - Migration in Birds - Types of migration with examples. Courtship behaviour in Birds & Scorpion.	
Jan (16 Days)	- Migration in fishes - Types of migration with examples - - Revision of above chapters - QP. discussion	

Dr. Chandrakala Patil
STAFF

Dr. Chandrakala Patil
CO-ORDINATOR,
Head of Department of Zoology
Smt. V.G. Degree College for Women
KALABURAGI-586102

Dr. Chandrakala Patil
PRINCIPAL
Smt. V.G. Degree College for Women,
KALABURAGI.



H. K. E. Society's
Smt. V. G. Degree College for Women,
Kalaburagi
Affiliated to A. M. W. U. Vijayapura-NAAC Accredited "A" Grade



MONTHWISE TEACHING PLAN 2020-21
(EVEN SEMESTER)

Name of the Staff: Dr. Chandrakala
Class: B.Sc I Sem Subject: Zoology Paper: 1.1

Month (working Days)	Syllabus to be covered	Remarks
SEP (25 Days)	—	
October (23 Days)	Bridge Course - 12 th -20 th October Cell-division - Mitosis, Meiosis, Cell cycle. Reproduction - Asexual and Sexual by Budding, fragmentation, fission. Zygote	
November (23 Days)	Phylum Porifera - General characters and classification upto class with suitable examples. Histology of sponges, Canal system - Ascon type, Sycon type, Leucon	
December (15 Days)	Phylum: - Platyhelminthes - General characters of Phylum and classification upto classes with suitable examples -	
Jan (16 Days)	— Revision —	

Dr. Chandrakala
STAFF

Dr. Chandrakala
CO-ORDINATOR
Head of Department of Zoology
Smt. V.G. Degree College for Women
KALABURAGI-585102

Dr. Chandrakala
PRINCIPAL
PRINCIPAL
Smt. V.G. Degree College for Women,
KALABURAGI



H. K. E. Society's
Smt. V. G. Degree College for Women,
Kalaburagi
Affiliated to A. M. W. U. Vijayapura-NAAC Accredited "A" Grade



MONTHWISE TEACHING PLAN 2020-21

(~~EVIN~~ SEMESTER)

Name of the Staff: Dr. Neelakanth S. Wall. *edg*

Class: B.Sc III Sem Subject: Zoology Paper: 3.1 (Applied Zoology)

Month (working Days)	Syllabus to be covered	Remarks
SEP (25 Days)	UNIT I V; Aquaculture :.Principles, Scope techniques of culturing economically Important fishes ,	
October (23 Days)	Brief account of Indian Major carps;Calta, labeoRohita, Mugil, Anabusa.	
November (23 Days)	Note on fish byproducts;- Fish live roil, Fish meat, Fish skin, Fish Fertilizer.	
December (25 Days)	Fish diseases; – Bacterial disease, Fin and tail Rot, viral disease. Infectious pancreatic necrosis of Trout, Fungal disease, (Branchiomyosis), protozoan disease, whirling disease, Symptoms remedy and control.	
Jan (16 Days)	Histological study of following Organs ; Liver, Pancreas, stomach	

Neelakanth S. Wall.
STAFF

G.Pada
CO-ORDINATOR
Head of Department of Zoology
Smt. V.G. Degree College for Women
KALABURAGI-585102

Neelakanth S. Wall.
PRINCIPAL
PRINCIPAL
Smt. V.G. Degree College for Women,
KALABURAGI



H. K. E. Society's
Smt. V. G. Degree College for Women,
Kalaburagi
Affiliated to A. M. W. U. Vijayapura-NAAC Accredited "A" Grade



MONTHWISE TEACHING PLAN 2020-21

(~~Even~~ SEMESTER)

Name of the Staff: Dr. Neelakanth S. Wall. *o.d.g*

Class: B.Sc V Sem (5.1).

Subject: Zoology Paper: 5.1 Genetics

Month (working Days)	Syllabus to be covered	Remarks
SEP (24 Days)	UNIT I ;Introduction: Branches of genetics, heredity and variation. Practical applications of genetics. Genetics Terminology. Chromosomes: Chromosome number, size chromosomal morphology, and types, structure and models. Heterochromatin and euchromatin. Giant chromosomes-polytene and lampbrush. UNIT II; Nucleic Acids, and Protein Biosynthesis: Identification of genetic material — Griffith's experiment. Chemistry of nucleic acids, structure of DNA, Watson and crick DNA model, replication of DNA. Forms of DNA, Types of RNA. Genetic code, properties of genetic code, wobble hypothesis, mechanism of protein biosynthesis	
October (23 Days)	UNIT III; Interaction of Genes: Supplementary factors-9: 3: 3: 1 Example: Comb pattern in fowls, Dominant epistasis-13: 3: plumage colour in Leghorn and Wyandotte, Dominant epistasis-12:3:1 Coat colour in dogs, Recessive epistasis-9: 3: 4 - Coat colour in mouse, Complementary factors -9 : 7, flower colour in sweet peas, Multiple factors / polygenic inheritance — Skin Colour in Man, Lethal gene-Coat colour in mice. UNIT IV; Multiple Alleles: Characteristics of Multiple Alleles, Inheritance of ABO blood groups in human, Rh -factor, Isoalleles, Pseudoalleles and position effect.	
November (23 Days)	Linkage and Crossing Over: Linkage: Theories of linkage, Linkage In Drosophila, linkage in man, Crossing over: Mechanism of meiotic Crossing Over, Types of Crossing over, Cytological detection of crossing over (Stern's Experiment on Drosophila) significance of crossing over UNIT V; Sex Determination: Chromosomal mechanism of sex determination, Genic balance theory, Gynandromorphy and intersexes. Sex Linked Inheritance: Sex linked inheritance in Drosophila Hemophilia and colour blindness in mail. Sex linkage in poultry, Y linked genes.	
December (25 Days)	UNIT VI; Mutations: Chromosomal aberrations- Human Diseases: Klinefelter's Syndrome, Turner's syndrome, Edwards Syndrome, Patau syndrome, Chi- du—chart syndrome and Down's syndrome (Mongolism). Human Genetics and Eugenics: Common human genetic disorders in man inborn errors of metabolism — Albinism, Phenylketonuria, Alkaptonuria, Sickle cell anaemia, Thalassemia, Huntington's chorea, Eugenics	
Jan (16 Days)	UNIT VII ; Genetic Engineering and Biotechnology: Recombinant DNA technology, (Isolation of Gene, Endonucleases, Palindrome Sequence, Cloning Vectors-Plasmids, Gene Cloning); production of insulin by rDNA technology PCR DNA finger printing and DNA vaccines. Applications of genetic engineering medicine, food technology and agriculture. Useful and harmful effect of biotechnology.	

M. Wall
STAFF

G. P. ...
Head of Department of Zoology
Smt. V.G. Degree College for Women
KALABURAGI-585102

H. P. ...
PRINCIPAL
PRINCIPAL
Smt. V.G. Degree College for Women,
KALABURAGI



H.K.E. SOCIETY'S
SMT. VEERAMMA GANGASIRI DEGREE COLLEGE
FOR WOMEN, GULBARGA - 585 102
 NAAC- ACCREDITED "A" GRADE (3rd Cycle)
 Affiliated to Karnataka State Akkamahadevi Women's
 University, Vijayapura



MONTHWISE TEACHING PLAN 2020-21

(EVEN SEMESTER)

Name of the Staff: Dr. Shivaraj Mulagi Class: B.Sc. IVth Sem. I Paper : 4-1 Sub: Chemistry


Month (Working Days)	Syllabus to be covered	Remarks
May	<u>Unit II:- d-Block Elements:-</u> General characteristics of transition elements with respect to Electronic configurations, Atomic Size, Ionisation potential, Variable oxidation states, Magnetic property, Colour and Spectra. Explanation with respect to 3d series Elements.	
June	<u>f-Block Elements:- Lanthanide series:-</u> Electronic configuration, oxidation states, Magnetic property, Colour & Spectra, Lanthanide contraction. Separation of Lanthanides by Ion-exchange process.	
July	<u>Unit I:- Nuclear Chemistry:-</u> Nuclear Stability, n/p ratio and Bonding Energy. Radioactive decay series, Radioactive equilibrium, Artificial transmutation of Elements using protons, neutrons and their relative efficiency as projectiles.	
August	Induced radioactivity, Radioactive isotopes, & their uses in studying a mechanism of reactions.	


- Note:
1. Opening day
 2. Commencement of classes
 3. Completion of syllabus
 4. Closing day

Staff

HEAD

CHEMISTRY DEPARTMENT
 SMT VG COLLEGE FOR WOMEN
 GULBARGA-585 102


 ಜ್ಞಾನಯ್ಯರು
 ಶಿವಮೊಗ್ಗದ ರಾಜ್ಯಕಾಲೇಜ್‌ನಲ್ಲಿ
 ಮಹಾಪಾಠ್ಯಾಲಯ, ಕಲಬುರಗಿ
 Coordinator


 Signature of the Staff



H.K.E. SOCIETY'S
SMT. VEERAMMA GANGASIRI DEGREE COLLEGE
FOR WOMEN, GULBARGA - 585 102
 NAAC- ACCREDITED "A" GRADE (3rd Cycle)
 Affiliated to Karnataka State Akkamahadevi Women's
 University, Vijayapura



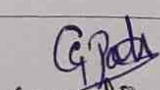
MONTHWISE TEACHING PLAN 2020-21

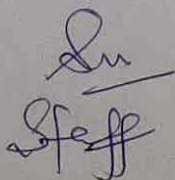
(EVEN SEMESTER)

Name of the Staff: Dr. Shivaraj Mulagi Class: B.Sc. VI Sem. Paper : 6-1 Sub: Chemistry

Month (Working Days)	Syllabus to be covered	Remarks
May	<u>Unit III: - Amines: - Classification and Nomenclature of Amines. Stereochemistry of Amine N. Separation of Amine mix. - Hinsberg method, Structural features affecting basicity of Amines. Preparation of alkyl & Aryl amines. Reductive amination of Alk. & Ketones. Gabriel phthalimide reaction. Hoffmann's bromamide react. Reacns of Amines. Electrophilic substitution reactn of aryl amines with HNO₃, Synthetic transformations of aryl diazonium Salts. Diazo coupling</u>	
June	<u>Unit IV: - Amino acids: - Classifn of amino acids with ex Methods of Synthesis of Amino acids, S-phthalimide, Maloniz ester, Strecker's and Earleumayer's synthesis. Zwitterion, isoelectrc point and Electrophoresis of Amino acids. Peptides: - Nomenclature, geometry of Peptide bond, peptide</u>	
July	<u>Structure, det. of end group analysis, Selective hydrolysis of peptides, classical method of Peptides, Synthesis (Carbobenzoyl method)</u> <u>Proteins: - Classification based on composition, and Structure, primary and Secondary structure of proteins</u>	
August	<u>Unit V: - Enzymes: - Nomenclature & classification of Enzymes. Characteristic features of enzymes. Active sites. Specificity of enzymes. Enzyme Kinetics - factors affecting the rate of enzymatic reactions. Michaelis-Menten eqn (der. not required), turnover number and Non-competitive inhibition. Cofactors.</u>	


- Note:
1. Opening day :
 2. Commencement of classes :
 3. Completion of syllabus :
 4. Closing day :


 G. Jada
 Coordinator


 Staff


 HEAD

CHEMISTRY DEPARTMENT
 SMT VG COLLEGE FOR WOMEN
 GULBARGA - 585 102


 Signature of the Staff



H.K.E. SOCIETY'S
SMT. VEERAMMA GANGASIRI DEGREE COLLEGE
FOR WOMEN, GULBARGA - 585 102
NAAC- ACCREDITED "A" GRADE (3rd Cycle)
Affiliated to Karnataka State Akkamahadevi Women's
University, Vijayapura



MONTHWISE TEACHING PLAN 2020-21

(EVEN SEMESTER)

Name of the Staff: Dr. Shivaraj Mulagi Class: B.Sc. Vth Sem. Paper : 6-2 Sub: Chemistry

Month (Working Days)	Syllabus to be covered	Remarks
May	<u>Unit IV</u> :- <u>Oils, fats and Detergents</u> :- Composition of Oils, fats & Waxes. Analysis of fats and Oils. Determination of Acid Value, Iodine Value, Saponification Value and their importance. Manufacture of Soap by Modern continuous process. Types of Soaps & Syndets.	
June	<u>Organic Synthesis Via Enolates</u> :- Acidity of α -hydrogen, Alkylation of diethyl malonate and EAA, Synthesis of Ethyl Acetoacetate, Claisen condensation (Mechanism) Keto-Enol tautomerism of EAA. Alkylation and acylation of Enamines.	
July	<u>Unit V</u> :- <u>Synthetic Dyes and Drugs</u> :- <u>Dyes</u> :- Colour & Constitn., chromophore theory, electronic concept, classifi. of dyes, based on application and composition. Chemistry & synthesis of Methyl orange, Congo red, Malachite green, Crystal violet, Phenolphthalein, fluorescein, Alizarin & Indigo.	
August	<u>Drugs</u> :- Elementary account of Chemotherapy and chemotherapeutic agents. Antimalarials, Sulpha drugs and Antibiotics. Synthesis and uses of Antipyrine, chloramine-T, Sulphathiazole, chloroquin and Sulphanilamide	

- Note:
1. Opening day
 2. Commencement of classes
 3. Completion of syllabus
 4. Closing day

Staff

Head
HEAD
CHEMISTRY DEPARTMENT
SMT. V.G. COLLEGE FOR WOMEN
GULBARGA - 585 102

Coordinator
Coordinator
ಶ್ರೀಮತಿ ದೀಪಾ ಗಂಗಾಧರ ಮಹಾಶಯ, ಕಲಬುರಗಿ

Signature of the Staff



H.K.E. SOCIETY'S
SMT. VEERAMMA GANGASIRI DEGREE COLLEGE
FOR WOMEN, GULBARGA - 585 102
NAAC- ACCREDITED "A" GRADE (3rd Cycle)
Affiliated to Karnataka State Akkamahadevi Women's
University, Vijayapura



MONTHWISE TEACHING PLAN 2020-21

(EVEN SEMESTER)

Name of the Staff: Dr Parvathi Class: B.Sc.V Sem. Paper : 4.1 Sub: Chemistry

Month (Working Days)	Syllabus to be covered	Remarks
May	<u>Unit V Physical Properties of liquids</u> Surface tension - Defn. Det ⁿ by using Stala Grometer, Parachor. Chemical constitutions applications of Parachor deciding the str of benzene. Quinine effect of temp ⁿ on surface tension.	
June	<u>Viscosity</u> - It is determine using abbe's refractometer. Effect of temp ⁿ on viscosity <u>Refractive Index</u> - It is det ⁿ by using	
July	Abbe's refractometer. Effect of temp ⁿ on viscosity. molar refraction. Specific refraction. Snell's law, Principle of refractometer	
August		

- Note:
1. Opening day
 2. Commencement of classes
 3. Completion of syllabus
 4. Closing day

Coordinator

HEAD

CHEMISTRY DEPARTMENT
SMT V.G. COLLEGE FOR WOMEN
GULBARGA - 585 102

Signature of the Staff

Signature of the Staff



H.K.E. SOCIETY'S
 SMT. VEERAMMA GANGASIRI DEGREE COLLEGE
 FOR WOMEN, GULBARGA - 585 102
 NAAC- ACCREDITED "A" GRADE (3rd Cycle)
 Affiliated to Karnataka State Akkamahadevi Women's
 University, Vijayapura



MONTHWISE TEACHING PLAN 2020-21

(EVEN SEMESTER)

Name of the Staff: Dr. Parvathi Class: B.Sc. V Sem. Paper : 6.1 Sub: Chemistry

Month (Working Days)	Syllabus to be covered	Remarks
May	<u>Environmental chemistry</u> ! types sources of air pollution CO_x NO_x CO_x different particulates, water pollutants. source of water pollution, surface of water pollution BOD COD , control of water pollution. Industrial effluents, their effects and treatment. Sewage.	
June	Water treatment methods water air quality standards ISI & WHO. plastic and rock and degradation. ground water pollution.	
July	<u>Food analysis</u> ! Reasons for food analysis. analysis of moisture, vegetables oils, spices. conditions of food adulteration, in food. contamination of food stuffs. Common micro-organisms of food stuffs.	
August	pesticide analysis in food products by TLC Techniques. analysis of crude fibres in spices and condiments.	

- Note: 1. Opening day :
 2. Commencement of classes :
 3. Completion of syllabus :
 4. Closing day :

Dr. Parvathi
 Coordinator

Dr. Parvathi
 HEAD

CHEMISTRY DEPARTMENT
 SMT VG COLLEGE FOR WOMEN
 GULBARGA - 585 102

Dr. Parvathi
 ಪ್ರಾಚಾರ್ಯರು
 ಶಿವಮೊಗ್ಗ ಗಂಗಾಸಿರಿ ಮಹಿಳಾ
 ವಿದ್ಯಾಲಯ, ಕುಲ್ಬರ್ಗ

Signature of the Staff



H.K.E. SOCIETY'S
SMT. VEERAMMA GANGASIRI DEGREE COLLEGE
FOR WOMEN, GULBARGA - 585 102
NAAC- ACCREDITED "A" GRADE (3rd Cycle)
Affiliated to Karnataka State Akkamahadevi Women's
University, Vijayapura



MONTHWISE TEACHING PLAN 2020-21

(EVEN SEMESTER)

Name of the Staff: Dr Parvathi Class: B.Sc. V Sem. Paper : 6.2 Sub: Chemistry

Month (Working Days)	Syllabus to be covered	Remarks
May	<u>Part I</u> Analytical chemistry: Introduction, Role of analytical chemistry, classification, types of Instrumental analysis. Selecting of analytical methods neatness and cleanliness in laboratory laboratory operations, analytical balance, volumetric glassware, sample preparation.	
June	dissolution, decomposition of safety in analytical laboratory. <u>II Error and Evaluation</u> :- Def ⁿ of mean and median precision, relative error types of errors, experimental data determination, errors, their effects, reporting analytical data.	
July	Statistical Evaluation of data, Evaluation of data, Interdeterminate errors, statistics. <u>III Chromatographic Techniques</u> :- fundamental of chromatography :- Def ⁿ terms	
August	Parameters, used in chromatography, classification of chromatographic methods, criteria for selection of stationary phase, mobile phase, nature of adsorbents, mobile phase, TLC :- mechanism of efficiency of TLC plates, stationary phase, preparation of plates column chromatography - Principle, applications.	

- Note: 1. Opening day
2. Commencement of classes
3. Completion of syllabus
4. Closing day

Coordinator

HEAD
CHEMISTRY DEPARTMENT
SMT VG COLLEGE FOR WOMEN
GULBARGA - 585 102

ಶ್ರೀಮತಿ ದೀಪ್ತಿ ಗಂಗಾಧರಿ ಮಹಾಶಯ
ವಹಾಬ್ದಾಲಯ, ಕಲಬುರಗಿ

Signature of the Staff



H.K.E. SOCIETY'S
SMT. VEERAMMA GANGASIRI DEGREE COLLEGE
FOR WOMEN, GULBARGA - 585 102
NAAC- ACCREDITED "A" GRADE (3rd Cycle)
Affiliated to Karnataka State Akkamahadevi Women's
University, Vijayapura



MONTHWISE TEACHING PLAN 2020-21

(EVEN SEMESTER)

Name of the Staff: Dr. Parveen R. Class: B.Sc IV Sem. Paper : 40 Sub: Chemistry

Month (Working Days)	Syllabus to be covered	Remarks
May	<u>UNIT III :- Aldehydes & Ketones</u> Synthesis of Aldehydes & Ketones. Structure, reactivity & Properties of carbonyl group. Mechanisms of nucleophilic addition reaction. Benzoin, Aldol, Perkin, Cannizzaro, Knoevenagel condensation. Mannich reaction, Clemmensen, Wolf-Kishner, $LiAlH_4$, $NaBH_4$ reductions, Halogenation of enolisable Ketones.	
June	<u>UNIT IV :- Stereochemistry</u> Optical isomerism: chirality, Le-Bel-vant Hoff's hypothesis, elements of symmetry, optical activity, D & L configurations, R & S notations sequence & priority rule, enantiomers, diastereomers, racemic mixture meso compounds. Geometrical isomerism in maleic & fumaric acid. Determination of configuration of geometrical isomers, E-Z systems. Geometrical isomerism in oximes, Beckmann rearrangement.	
July	<u>UNIT V :- Thermodynamics II</u> Second law of thermodynamics: Need for the law, different statements of second law, Carnot cycle and its efficiency. Entropy concept as a state function, Entropy changes of an ideal gas with change in V & T, P & T. Calculation of entropy changes in reversible, isothermal, isobaric & isochoric processes. Physical significance of entropy. Free energy. Helmholtz & Gibbs & their relationship. Significance of free energy, criteria for spontaneity.	
August	<u>UNIT VI :- Spectroscopy.</u> Electromagnetic radiations, regions of the spectrum, basic features of spectrometers. Statement of Born-Oppenheimer approximation. Diatomic molecules: Energy levels of rigid rotor, selection rule, spectral intensity, distribution using population distribution. Determination of bond length. Isotope effect. IR :- Selection rule, energy levels of S.H.O. Determination of qualitative relation of force constant & bond energies.	

- Note: 1. Opening day
 2. Commencement of classes
 3. Completion of syllabus
 4. Closing day

[Signature]
 Coordinator

[Signature]
HEAD

CHEMISTRY DEPARTMENT
 SMT V.G. COLLEGE FOR WOMEN
 GULBARGA-585 102

[Signature]
 ಪ್ರಾಚಾರ್ಯರು
 ಶಿವಶಿವಿ ದೀಪ್ತಿ ಗಂಗೂರಿ ಮಹಾ
 ಮಹಾದೀಪ್ಯಾಲಯ, ಕಲಬುರಗಿ

[Signature]
 Signature of the Staff



H.K.E. SOCIETY'S
SMT. VEERAMMA GANGASIRI DEGREE COLLEGE
FOR WOMEN, GULBARGA - 585 102
 NAAC- ACCREDITED "A" GRADE (3rd Cycle)
 Affiliated to Karnataka State Akkamahadevi Women's
 University, Vijayapura



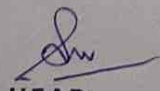
MONTHWISE TEACHING PLAN 2020-21


(EVEN SEMESTER)

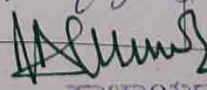
Name of the Staff: Dr. Parveen R. Class: B.Sc. VI Sem. Paper : 6-1 Sub: Chemistry

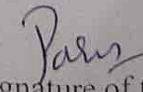
Month (Working Days)	Syllabus to be covered	Remarks
May	UNIT : I Industrial chemistry Cement: Definition & composition of Portland cement	
June	Manufacture of Portland concrete cement by dry process, setting of cement.	
July	Types of Portland cement and other types of cement - Cement industries in India.	
August	Glass:- Definition and composition, Physical properties, chemical properties characteristics manufacture of glass by Pot furnace method, Type of glass	

- Note:
1. Opening day
 2. Commencement of classes
 3. Completion of syllabus
 4. Closing day


HEAD
 CHEMISTRY DEPARTMENT
 SMT VG COLLEGE FOR WOMEN
 GULBARGA - 585 102


 Coordinator


 ಪ್ರವೀಣ ರಾಜ್
 ಶ್ರೀಮತಿ ವೀರಮ್ಮ ಗಂಗಾಸಿರಿ ಮಹಿಳಾ
 ಮಹಾವಿದ್ಯಾಲಯ, ಕುಲ್ಬರ್ಗಾ


 Signature of the Staff



H.K.E. SOCIETY'S
SMT. VEERAMMA GANGASIRI DEGREE COLLEGE
FOR WOMEN, GULBARGA - 585 102
NAAC- ACCREDITED "A" GRADE (3rd Cycle)
Affiliated to Karnataka State Akkamahadevi Women's
University, Vijayapura



MONTHWISE TEACHING PLAN 2020-21

(EVEN SEMESTER)

Name of the Staff: Dr. Parveen R. Class: B.Sc. II Sem. Paper : 1) Sub: Chemistry

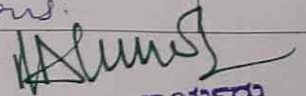
Month (Working Days)	Syllabus to be covered	Remarks
May	<u>UNIT 3: Arenes and aromaticity</u> Nomenclature of benzene derivatives, Modern concept of structure of benzene, Aromaticity Huckel's rule. Naphthalene, Phenanthrene and anthracene.	
June	Aromatic electrophilic, general patterns of the mechanisms, role of σ and π complexes Mechanism of Nitration, halogenation Sulphonation. Activating and deactivating	
July	Substituents. orientation rules of orientation of orienting influence of substituents chlorobenzene, Nitrobenzene and Phenol. orientation in disubstituted benzene.	
August	<u>Aliphatic and aromatic nitrocompounds :-</u> Preparation and properties of aliphatic and nitrocompounds. reduction of nitrobenzene in acid, alkali and neutral medium. Electrophilic and nucleophilic reactions.	

- Note: 1. Opening day :
2. Commencement of classes :
3. Completion of syllabus :
4. Closing day :

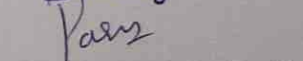

HEAD

CHEMISTRY DEPARTMENT
SMT V.G. COLLEGE FOR WOMEN
GULBARGA-585 102


Coordinator



ಪ್ರಾಚಾರ್ಯರು
ಶ್ರೀಮತಿ ಶಿರಮ್ ಗಂಗಾಧರಿ ಮಹಿಷಾ
ಪ್ರಾಚಾರ್ಯರು, ಕಲಬುರಗಿ


Signature of the Staff



H.K.E. SOCIETY'S
SMT. VEERAMMA GANGASIRI DEGREE COLLEGE
FOR WOMEN, GULBARGA - 585 102
NAAC- ACCREDITED "A" GRADE (3rd Cycle)
 Affiliated to Karnataka State Akkamahadevi Women's
 University, Vijayapura



MONTHWISE TEACHING PLAN 2020-21

(EVEN SEMESTER)


Name of the Staff: Miss. Mamata Class: B.Sc. IInd Sem. Paper : 2.1 Sub: Chemistry

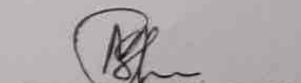
Month (Working Days)	Syllabus to be covered	Remarks
May	<u>UNIT: 1; s-Block Elements:-</u> <u>Alkali metals:-</u> Physical properties, E.C, chemical properties <u>Reactivity of metals, action of air, water, hydrogen, halogens</u> <u>formation of amalgams. Comparative Study of compounds of</u> <u>alkali metals. Alkaline earth metals:-</u> physical properties, E.C <u>Comparative study of properties of compounds such as oxides,</u> <u>hydroxides, Sulphates, halides formation of more soluble bicarbonate compounds.</u>	
June	<u>UNIT: 2; p-Block Element:-</u> Comparative study of Boron family <u>elements, E.C, physical properties, Diagonal relationship b/w</u> <u>boron & Silicon, preparation, properties structural features of Diamond</u> <u>& graphite also Carbon family, E.C, Physical properties of Borazole</u> <u>& Diborane, Halogens:-</u> Structure of iodic acid, iodine pentoxide, P.h.e.I.h.	
July	<u>UNIT: 7; Phase Equilibria:-</u> Phase rule - definition & expl ⁿ <u>of terms involved. Application to one Component System (water</u> <u>& Sulphur) & two Component Systems (lead-silver, KI-H₂O)</u> <u>Freezing mixtures</u>	
August	<u>UNIT: 5; Nernst Distribution law; Statement & derivation</u> <u>Modification of law when solute associates & dissociates in one of</u> <u>the solvents Application of law to solvent extraction process.</u> <u>UNIT: 6; Liquid Mixtures:-</u> Different type of examples, <u>Raoult's law of V.P. V.C & B.P. Azeotropic mixtures, partially</u> <u>miscible liquids. Critical soft temp with respect to phenol-</u> <u>water, nicotine-water, trimethyl amine-water system.</u>	

- Note:
1. Opening day
 2. Commencement of classes
 3. Completion of syllabus
 4. Closing day


HEAD

CHEMISTRY DEPARTMENT
 SMT. V.G. COLLEGE FOR WOMEN
 GULBARGA - 585 102


 Coordinator


 Signature of the Staff

ಇವುಗಳನ್ನು
 ಕೆಲವು ದಿನಗಳ ನಂತರ ಮರಳಿಸಿ
 ಮಹಾರಾಜರ ಕಛೇರಿಗೆ ಕಳುಹಿಸಿ



H.K.E. SOCIETY'S
SMT. VEERAMMA GANGASIRI DEGREE COLLEGE
FOR WOMEN, GULBARGA - 585 102
 NAAC- ACCREDITED "A" GRADE (3rd Cycle)
 Affiliated to Karnataka State Akkamahadevi Women's
 University, Vijayapura



MONTHWISE TEACHING PLAN 2020-21

(EVEN SEMESTER)

Name of the Staff: Miss. Mamata Class: B.Sc. ^{Vth} Sem. Paper : 6.1 Sub: Chemistry

Month (Working Days)	Syllabus to be covered	Remarks
May	<u>UNIT:06: Colligative Properties:</u> Semipermeable membrane, natural & artificial Semipermeable membrane; Examples, preparation of copper ferrocyanide SPM. Osmosis, Osmotic pressure its determination by Berkley & Hartley method. Theory of dilute solutions laws of Osmotic pressure, isotonic solutions, Relative lowering of Vapour pressure Raoult's law & its derivation. Relation b/w R.L of V.p Ostwald's & Walker method	
June	Elevation of Boiling point and its relationship to the lowering of Vapour pressure & molar mass to be derived, Ebullioscopic constant K_b of the solvent & its relation to the boiling point & enthalpy of vapourisation of the solvent, Landsbergers method.	
July	<u>UNIT:07: Electro motive force:</u> Electro motive force - Galvanic cells & electrode reaction. Measurement of EMF, Standard cell. Types of electrodes. Sign convention of electrode potential, Nernst's equation of electrode potential	
August	Calculation of electrode potential, SEP, Reference electrode (a) Hydrogen electrode (b) Calomel electrode (c) Silver-silver chloride electrode. Application of EMF measurements. (1) Determination of pH of a solution by using hydrogen electrode (2) P.T. (a) Acid-Base & (b) Redox titrations Concentration Cells with & without transference LTP	

- Note:
1. Opening day
 2. Commencement of classes
 3. Completion of syllabus
 4. Closing day

HEAD
 CHEMISTRY DEPARTMENT
 SMT VG COLLEGE FOR WOMEN
 GULBARGA-585 102

Coordinator

ಶಾಲೆಯನ್ನು
 ಪ್ರೀತಿಯಿಂದ ನೋಡುವ ಮಹಿಳಾ
 ಮಹಾಶಿಲ್ಪಿಯ, ಕಲಾಪರಣಿ.

 Signature of the Staff



H.K.E. SOCIETY'S
 SMT. VEERAMMA GANGASIRI DEGREE COLLEGE FOR WOMEN GULBARGA - 585 102
 NAAC- ACCREDITED "A" GRADE (3rd Cycle)
 Affiliated to Karnataka State Akkamahadevi Women's
 university, vijayapura



**MONTHWISE TEACHING PLAN-2020-2021
 (EVEN SEMESTER)**

Name of the staff: Smt . Sapna Sherikar

Class: B.sc II Sem

Sub: Advance C & Ms-Excel

Month (Working Days)	Syllabus to be covered	Remarks
May (23 days)	<p>Unit-1:User-defined Function: Need for user-defined Functions, The form of function, return values and their types, calling a function, category of functions- arguments with return values, argument with no return values, No argument with return values and No argument with no return values, parameter passing Mechanism: Call by Value and Call by Reference. recursion , arrays infunction.</p> <p>Unit-2:Structures And Unions: Structures definition, giving values to members, Structure initialization, comparison of structure variables, Structure within structures, arrays within structures, structures and functions, Unions.</p>	
June (25 days)	<p>Unit-3:Pointers: Understanding pointers, accessing the address of the variable, declaring and initializing pointer, accessing a variable through its pointer and arrays, pointer and structures, dynamic allocation.</p> <p>Unit-4:Files: Definition of file, Opening & Closing a data File, modes of files, creating a data file, processing a data file, types of file.</p>	
July (26 days)	<p>Unit-4:Files: Definition of file, Opening & Closing a data File, modes of files, creating a data file, processing a data file, types of file.</p> <p>Unit-5: MS OFFICE: Introduction to MS-Excel: features of MS- Excel, spread sheet/worksheet, cell, cell pointer, cell address, parts of MS-excel window, creating excel sheet, functions in excel sheet, chart</p>	
August (25 days)	<p>Unit-6:Internet Tools : Concept of Networking-LAN ,MAN, WAN, Internet, uses of internet, prerequisites for internet, internet protocols, Internet ,Extranet World Wide Web, Website, Webpage, Web browser, E-mail, creating An E-mail Account, E-mail sending & receiving, Advantages & disadvantages of E-mail, Search engines, Downloading, Uploading.</p>	

Note:1. Opening day : 18/10/21
 2. Commencement of Class : 18/10/2021
 3. Completion of Syllabus : 19/02/2022
 4. Closing Day : 28/2/22

Sapna
 ACADEMIC COORDINATOR

Sapna
 SIGNATURE OF THE STAFF

Smt. V.G.
 PRINCIPAL

Smt. V.G. Degree College for Women
 GULBARGA.

Sapna
 Dept. of Computer Science
 Smt. V. G. Womens College,
 GULBARGA.



H.K.E. SOCIETY'S
SMT. VEERAMMA GANGASIRI DEGREE COLLEGE FOR WOMEN GULBARGA - 585 102
NAAC- ACCREDITED "A" GRADE (3rd Cycle)
Affiliated to Karnataka State Akkamahadevi Women's
university, vijayapura



MONTHWISE TEACHING PLAN-2020-2021
(EVEN SEMESTER)

Name of the staff: Smt.Shweta Kote

Class: B.Sc IV Sem

Sub: DBMS

Month (Working Days)	Syllabus to be covered	Remarks
May (23 days)	UNIT I: Introduction: Purpose of Database Systems, View of Data, Database Languages, Database Design, Data Storage and Querying, Transaction Management, Database Architecture, Database Users and Administrators. UNIT II: Introduction to the Relational Model: Structure of Relational Databases, Database Schema, Keys,	
June (25 days)	Schema Diagrams, Relational Query Languages, Relational Operations. UNIT III: Introduction to SQL: SQL Data Definition, Basic Structure of SQL Queries, Basic Operations- Set Operations, Null Values, Aggregate Functions, Nested Subqueries, Modification of the Database, Join Expressions, Views, Transactions, Integrity Constraints, SQL Data Types and Schemas, Functions and Procedures, Triggers.	
July (26 days)	UNIT IV: Database Design and the E-R Model: Overview of the Design Process, The Entity-Relationship Model, Constraints, Removing Redundant Attributes in Entity Sets, Entity-Relationship Diagrams, Reduction to Relational Schemas, Entity-Relationship Design Issues, Extended E-R Features.	
August (25 days)	UNIT V: Relational Database Design: Features of Good Relational Designs, Atomic Domains and First Normal Form, Decomposition Using Functional Dependencies, Multivalued Dependencies, More Normal Forms-2NF, 3NF, refinement, BCNF, and 4NF, Database-Design Process, Modeling Temporal Data. Data Storage: Magnetic Disk and Flash Storage, RAID, File Organization, Organization of Records in Files.	

Note: 1. Opening day

2. Commencement of Class

3. Completion of Syllabus

4. Closing Day

: 18/10/21

: 18/10/21

:

:

ACADEMIC COORDINATOR

SIGNATURE OF THE STAFF

PRINCIPAL

PRINCIPAL

Smt. V.G. Degree College for Women
GULBARGA.

Dept. of Computer Science
Smt. V. G. Womens College,
GULBARGA,



H.K.E. SOCIETY'S
 SMT. VEERAMMA GANGASIRI DEGREE COLLEGE FOR WOMEN GULBARGA - 585 102
 NAAC- ACCREDITED "A" GRADE (3rd Cycle)
 Affiliated to Karnataka State Akkamahadevi Women's
 university, vijayapura



MONTHWISE TEACHING PLAN-2020-2021
(EVEN SEMESTER)

Name of the staff: Smt. Premila S Toran

Class: B.sc VI sem

Sub:(6.1) Web Programming

Month (Working Days)	Syllabus to be covered	Remarks
May (23 days)	<p>UNIT I The World Wide Web: Introduction to world wide Web, Web Pages and Contents, Web Clients, Web Servers, Web Applications, Websites – Home Pages: Web Site Development ; How to Builds Web Sites? , Web Content Authoring, Web Graphics Design, Web Programming. What is a scripting language? Motivation for and applications of scripting, How scripting languages differ from non-scripting languages, Types of scripting languages.</p> <p>UNIT II Web Design: Origins and evolution of HTML and XHTML, Basic syntax, Standard XHTML document structure, Basic text markup, Images, Hypertext Links, Lists, Tables, Forms, Frames, Syntactic differences between HTML and XHTML. Overview and features of HTML5.</p>	
June (25 days)	<p>CSS: Introduction, Levels of style sheets, Style specification formats, Selector forms, Property value forms, Font properties, List properties, Color, Alignment of text, The Box model, Background images, The and tags. Conflict resolution. Overview and features of CSS3. UNIT III 12Hrs JavaScript: Object orientation and JavaScript; General syntactic characteristics; Primitives, operations, and expressions; Screen output and keyboard input; Control statements; Object creation and modification; Arrays; Functions; Constructor; Pattern matching using regular expressions; Errors in scripts; Examples.</p> <p>UNIT IV Java Script and HTML Documents, Dynamic Documents with JavaScript. The Document Object Model; Element access in JavaScript; Events and event handling;</p>	
July (26 days)	<p>Handling events from the Body elements, Button elements, Text box and Password elements; The DOM 2 event model; traversal and modification. Introduction to dynamic documents; Positioning elements; Moving elements; Element visibility; Changing colors and fonts; Dynamic content; Stacking elements; Locating the mouse cursor; Reacting to a mouse click; Slow movement of elements; Dragging and dropping elements. XML: Introduction to XML, Anatomy of an XML, document, Creating XML Documents, Creating XML DTDs, XML Schemas, XSL, XML processors, Web services.</p>	
August (25 days)	<p>UNIT V PHP : Why PHP and MySQL?, Server-side web scripting, Installing PHP, Adding PHP to HTML, Syntax and Variables, Passing information between pages, Strings, Arrays and Array Functions, Numbers, Basic PHP errors / problems. PHP/MySQL Functions, Displaying queries in tables, Building Forms from queries, String and Regular Expressions, Sessions, Cookies and HTTP, Type and Type Conversions.</p>	

- Note: 1. Opening day :
 2. Commencement of Class :
 3. Completion of Syllabus :
 4. Closing Day :

[Signature]
 ACADEMIC COORDINATOR

[Signature]
 SIGNATURE OF THE STAFF

[Signature]
 PRINCIPAL

PRINCIPAL
 Smt. V.G. Degree College for Women
 GULBARGA.

[Signature]
 Dept. of Computer Science
 Smt. V. G. Womens College,
 GULBARGA,



H.K.E. SOCIETY'S
SMT. VEERAMMA GANGASIRI DEGREE COLLEGE FOR WOMEN GULBARGA - 585
102
NAAC- ACCREDITED "A" GRADE (3rd Cycle)
Affiliated to Karnataka State Akkamahadevi Women's
university, vijayapura



MONTHWISE TEACHING PLAN-2020-2021
(EVEN SEMESTER)

Name of the staff: Miss Smita S Pati

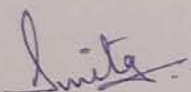
Class: B.sc VI Sem

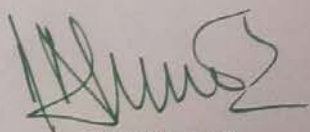
Sub:(6.2) Computer Networks


Month (Working Days)	Syllabus to be covered	Remarks
May (23 days)	UNIT I Introduction: Data Communications, Networks, the internet, protocols and standards, network models – OSI model, TCP/IP protocol suite, addressing. UNIT II Data and Signals: Periodic analog signals, digital signals, transmission impairment, data rate limits, performance.	
June (25 days)	Digital transmission: Digital to digital conversion, analog-to-digital conversion, transmission modes. UNIT III Physical Layer and Media: Analog transmission: Digital-to-analog conversion, analog-to-analog conversion.	
July (26 days)	Multiplexing and Spread spectrum. Transmission media – Guided media and unguided media. UNIT IV Switching: Circuit-switched networks, datagram networks, virtual-circuit networks, structure of a switch. Telephone networks, dialup modems, digital subscriber line, cable-tv networks	
August (25 days)	Detection and Correction: Errors, redundancy, detection versus correction, block coding, linear block codes, cyclic codes, checksum. UNIT V Data Link Control: Framing, flow and error control, noiseless and noisy channels, HDLC, point-to-point control. Multiple Access: Random access ALOHA, controlled access, channelization.	

- Note: 1. Opening day :
2. Commencement of Class :
3. Completion of Syllabus :
4. Closing Day :


ACADEMIC COORDINATOR


SIGNATURE OF THE STAFF


PRINCIPAL
PRINCIPAL
Smt. V.G. Degree College for Women
GULBARGA.


Dept. of Computer Science
Smt. V. G. Womens College,
GULBARGA,



MONTHWISE TEACHING PLAN-2020-2021

(EVEN SEMESTER)

Name of the staff: Smt.Shweta & Sapna **Class: B.Com IV Sem** **Sub: Ms-Excel & C Programming**

Month (Working Days)	Syllabus to be covered	Remarks
May (23 days)	<p>UNIT I:MS-Excel:-concept of spreadsheet, standard Button bar, Formatting Toolbar, formula bar, auto calculated area, rows and columns of worksheet, editing cells, cell range and reference,types of cell data , labels, values, formulas.</p> <p>UNIT II:Functions in excel: category of function, cell formatting ,excel charts, types of charts.</p>	
June (25 days)	<p>UNIT III :. Introduction to Programming in 'C': Introduction, Importance of 'C', Basic structure of 'C' Program. Executing a 'C' Program. Constants, Variables, C-tokens: Keywords and identifiers. Data types. Declaration of Variables, Assigning values to variables. Defining symbolic constants.</p> <p>UNIT IV: Input and Output Statements: Reading a Character, Writing a Character, scanf(),printf(), rules for input statements, examples.</p>	
July (26 days)	<p>UNIT V: Operators and Expressions: Increment and Decrement Operators, Arithmetic Operators, Relational Operators, Logical Operators, Conditional Operators, Assignment Operators, Bitwise Operators, Special Operators, Arithmetic Expressions, Precedence of Operators, Type Conversions in Expressions.</p> <p>UNIT VI: Decision Making, Branching and Looping: Decision Making with if statement:Simple if statement, if...else statement, Nested if else statement,</p>	
August (25 days)	<p>else..if Ladder . The switch statement, the ?: Operator, The goto statement. while statement, do...while statement and for statement. Jumps in loops.</p> <p>UNIT VII: Arrays and Strings: one Dimensional array, Two Dimensional array. Initializing One and Two Dimensional arrays. Declaring and Initializing String variables, String Handling functions with examples.</p>	

- Note:**
1. Opening day :
 2. Commencement of Class :
 3. Completion of Syllabus :
 4. Closing Day :

G. S. S.
ACADEMIC COORDINATOR

Shweta
SIGNATURE OF THE STAFF

Smt. V. G.
PRINCIPAL
PRINCIPAL
 Smt. V.G. Degree College for Women
 GULBARGA

Dr. Manu
 Dept. of Computer Science
 Smt. V. G. Womens College
 GULBARGA,



MONTHWISE TEACHING PLAN-2020-2021
(EVEN SEMESTER)



Name of the staff: Smita, Sapna, Premila Class: B.com VI Sem Sub: Tally

Month (Working Days)	Syllabus to be covered	Remarks
May (23 days)	Manual Accounting and Computerized Accounting Accounting Basics: Accounting – Meaning & Objectives, Classification of accounts under English system with debit and credit rules, Meaning of Journal, Trial Balance, Opening entries, Final Accounts (Trading, Profit & Loss Account and Balance Sheet), Adjusting Entries, Bank Reconciliation. Computerized Accounting: Meaning, Features, Advantages, Disadvantages & Difference between Manual Accounting and Computerized Accounting Tally: Introduction, Meaning, Features, Gateway of Tally, Configuration of Tally Screens & Menus, Creation of Company, Creation of Groups, Editing	
June (25 days)	Editing & Deleting Groups, Creation, Editing & Deleting of Ledgers, Predefined Vouchers, Displaying, Altering & Deleting Vouchers. Introduction to Inventories: Creation of- stock categories, Stock Groups & Stock Items. Configuration & Features of Stock Items, Editing & Deleting Stocks. Usage of Stocks in Voucher Entry. Purchase Order, Stock Vouchers, Sales Order.	
July (26 days)	Introduction to Cost, Creation of Cost Category Creation of Cost Centers. Editing & Deleting Cost Centers & Categories. Usage of Cost, Cost Category & Cost Centers in Voucher Entry, Budget & Control, Editing & Deleting Budgets. Payroll Administration & Generation of Reports: Payroll: Meaning & Features, Activation of Payroll, Processing Basic Payroll in Tally, Salary processing. Reports: Day Books – Trial Balance, Profit & Loss Account, Balance Sheet, Payroll Report, Ratio Analysis, Cash Flow Statement, Fund Flow Statement, Cost Center Report, Inventory Report, Bank Reconciliation Statement.	
August (25 days)	Printing Reports – Types of Printing, Configuration of Options, Printing Format. Tax Accounting (Goods & Service Tax): Create Company and Activate GST in Company level, Creating Master & Set GST Rates, Calculation of GST, Creating Tax Ledgers, Transferring Tax Credits of VAT Excise & Service Tax to GST, Recording GST Sales, Recording GST Interstate Sales and Printing Invoices, Recording an Advance to Supplier under GST, Recording GST Local Purchase, Recording GST Interstate Purchase	

- Note: 1. Opening day :
 2. Commencement of Class :
 3. Completion of Syllabus :
 4. Closing Day :

(Signature)
 ACADEMIC COORDINATOR

(Signatures: Smita, Sapna, Premila)
 SIGNATURE OF THE STAFF

(Signature)
 PRINCIPAL

Smt. V.G. Degree College for Women
 GULBARGA

(Signature)
 Smt. V. G. Womens College,
 GULBARGA,



H.K.E. SOCIETY'S
SMT. VEERAMMA GANGASIRI DEGREE COLLEGE FOR WOMEN,
GULBARGA-585 102
 NAAC-ACCREDITED "A" GRADE (3rd cycle)
 Affiliated to Karnataka State Akkamahadevi women's
 University, Vijayapura



MONTHWISE TEACHING PLAN -2020-2021
(EVEN SEMESTER)

2.1

Name of the Staff: Smt. AMBIKAPATI Class : B.Sc II sem Sub: Math's

Month (Working Days)	Syllabus to be covered	Remarks
May (23days)	I. <u>Successive Differentiation</u> , n^{th} derivative of standard func ^{ns} , Leibnitz's theorem, n^{th} derivative of functions by Leibnitz's theorem.	
June (25days)	II. <u>Functions of two & three variables</u> Partial derivatives, Euler's theorem, Symmetric functions, partial derivative of symmetric functions.	
July (26 days)	Homogeneous functions, Euler's thm, Total derivatives, Revision of I sem syllabus.	
August (25 days)	III. <u>Continuity & Differentiability</u> Rolle's thm, LMVT & problems CMVT, Taylor's & Maclaurin's series, L'Hospital's rule.	

Note :

1. Opening day :
2. Commencement of Class :
3. Completion of Syllabus :
4. Closing Day :

HOD
 VPH

Dr. Veena P.H.
 M.Sc, Ph.D.
 Professor & H.O.D.
 Dept. of Mathematics,
 Smt. V.G. Women's College,
 GULBARGA-585102.

Signature of the Staff

Co-ordinator

PRINCIPAL
 Smt. V.G. Degree College for Women
 GULBARGA.



SMT. VEERAMMA GANGASIRI DEGREE COLLEGE FOR WOMEN
 GULBARGA-585 102
 NAAC-ACCREDITED "A" GRADE (3rd cycle)
 Affiliated to Karnataka State Akkamahadevi women's
 University, Vijayapura



MONTHWISE TEACHING PLAN -2020-2021
 (EVEN SEMESTER) 4.1

Name of the Staff : Ambika Padil Class : B.Sc. IV sem Sub: math's

Month (Working Days)	Syllabus to be covered	Remarks
May (23 days)	I. <u>Abstract Algebra</u> - III ^o Groups, Subgroups, cyclic groups, Normal groups & theorems on it.	
June (25 days)	Factor group, Homomorphism, properties of homomorphism, kernel of homomorphism & th ^{ms} II. <u>Line & multiple Integrals</u> : Line & double integration.	
July (26 days)	Change of order of integration. Triple integration. & problems Offline Revision class for III sem syllabus.	
August (25 days)	III. <u>Differential Equations</u> : Exact, equations, solvable for p, x, y Clairaut's eq ^{ns} , Linear eq ^{ns} , Particular Integrals with examples	

Note :

1. Opening day :
2. Commencement of Class :
3. Completion of Syllabus :
4. Closing Day :

Co-ordinator

HOD
Dr. Veena P.H.
 M.Sc., Ph.D.
 Professor & H.O.D.
 Dept. of Mathematics,
 Smt. V.G. Women's College,
 GULBARGA-585102

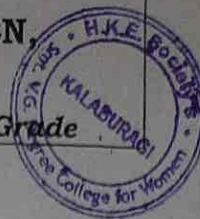
Signature of the Staff

 PRINCIPAL
 Smt. V.G. Degree College for Women



H.K.E. Society's
SMT. V.G. DEGREE COLLEGE FOR WOMEN,
KALABURAGI

Affiliated to K.S.W.U. Vijayapur - NAAC Accredited 'A' Grade



MONTHWISE TEACHING PLAN 2020-21
(Even Semester)

Class: Bsc VI Sem Name of the Staff: Dr. Veena PH Sub: Maths

Month (Working Days)	Syllabus to be covered	Remarks
May (23 days)	Introduction of the syllabus given Paper 6.1: Unit 1: sol ⁿ of algebraic eqns + non algebraic eqns 6.2: unit II: Analytic funs 6.3: Topology - Basic concepts finished - up to interior of of a set.	
June (25 days)	6.1: Finite differences - N-G forward & backward formulas 6.2: complex integration started	
July (26 days)	6.1: Numerical integration Picards, Eulers and Runge Kutta method 6.2: Cauchy's integral thm. C.I.F & Applications of evaluation of simple integrals. Cauchy's inequality thm	
August (25 days)	6.1: Last unit: Difference eqns 6.3: Bases and sub bases - Revision & sol ⁿ of old question papers.	

- Note: 1. Opening Day : _____
2. Commencement of Classes : II, IV & VI Sem (_____)
3. Completion of Syllabus : _____
4. Closing Day : _____

Dr. Veena P.H.
STAFF & HOD M.Sc., Ph.D.
Professor & H.O.D.
Dept. of Mathematics
Smt. V.G. Women's College,
GULBARGA-585102

COORDINATOR

PRINCIPAL

PRINCIPAL
Smt. V.G. Degree College for Women,
GULBARGA.



H. K. E. Society's
Smt. V. G. Degree College & PG centre for for Women,
Kalaburagi
Affiliated to K.S.A. M. W. U. Vijayapura-NAAC Accredited "A" Grade



MONTHWISE TEACHING PLAN 2020-21

(EVEN SEMESTER)

Name of the Staff: Dr. Chandrakala Patil
Class: B.Sc II Sem Subject: Zoology Paper: Z2-chordata & oestology

Month (working Days)	Syllabus to be covered	Remarks
May (23 Days)	Unit II - General characters and classification upto class level with suitable examples. Types of scales.	
June (26 Days)	Types of Fins in Fishes. Unit IV :- General characters and classification upto orders (living orders) with suitable examples.	
July (26 Days)	Key for identification of Poisonous and Non-Poisonous Snakes of India. (Snakes of India Poisonous - Cobra, Hydrophis) Non-Poisonous - Python, Typhlop.	
August (25 Days)	General characters and classification Eg:- Anguilla, Exocoetus, Hippocampus Eg:- Notopterus, Ichthyophis, Salamander.	
September (25 Days)	General characters:- Bufo, Rana, Hyla. Naja Naja, Hydrophis, Parrot, Bat, Mongoose, Squirrel, Rabbit.	

May-4th Online classes,

July 5th Offline classes,

Sept-13th Last working day.

STAFF

CO-ORDINATOR

Head of Department of Zoology
Smt. V.G. Degree College for Women
KALABURAGI-586102
PRINCIPAL
Smt. V.G. Degree College for Women



H. K. E. Society's
Smt. V. G. Degree College & PG centre for Women,
Kalaburagi
Affiliated to K.S.A. M. W. U. Vijayapura-NAAC Accredited "A" Grade



MONTHWISE TEACHING PLAN 2020-21
(EVEN SEMESTER)

Name of the Staff:

Class: B.Sc VI Sem

Subject: Zoology Paper: 6.1:- Cell biology & Embryology

Month (working Days)	Syllabus to be covered	Remarks
May (23 Days)	Cell Biology: History of cell biology and its branches cell theory, cell fractionation ultra structure of animal cell.	
June (26 Days)	Cell organelles: structure and functions of Plasma membrane, Mitochondria, Golgi Complex, Lysosomes, Endoplasmic Reticulum.	
July (26 Days)	Structure and functions of Ribosomes. Nucleus, Centrioles. Cell cycle - Mitosis and Meiosis, Regulation of cell-cycle.	
August (25 Days)	Biology of Cancer - Types of Cancer, characteristics of cancer cell, carcinogenic agents (Physical, chemical & biological) Reproductive System - Menstrual cycle	
September (25 Days)	its regulations. Structure of sperm and ovum, ovulation, cleavage, morula, blastocyst, Implantation. Modern Methods: Sperm bank, IVF., cloning, Surrogate Mother	

May-4th Online classes,

July 5th Offline classes,

Sept-13th Last working day.

STAFF

CO-ORDINATOR

Head of Department of Zoology

Smt. V.G. Degree College for Women
KALABURAGI-585102
Smt. V.G. Degree College for Women
KALABURAGI



H. K. E. Society's
Smt. V. G. Degree College & PG centre for for Women,
Kalaburagi
Affiliated to K.S.A. M. W. U. Vijayapura-NAAC Accredited "A" Grade



MONTHWISE TEACHING PLAN 2020-21

(EVEN SEMESTER)

Name of the Staff: *Deshra bala jain*

Class: B.Sc VI Sem

Subject: *Zoology*

Paper: *6.2 - Ecology, Zoogeography & Wild life.*

Month (working Days)	Syllabus to be covered	Remarks
May (23 Days)	Unit II :- Animal Relationship - Mutualism, Commensalism, Parasitism Ammensalism. Predation and Competition with relevant examples. Agencies engaged in wild life.	
June (26 Days)	Habitat Ecology :- Marine Habitat: Physico-chemical feature, Ecological Zonation and classification of marine biota. Deep sea adaptation. Freshwater Habitat: Physico-chemical features and Biota.	
July (26 Days)	Mangroves. Fresh water habitat :- Physico-chemical features of lentic and lotic water bodies. Ecological adaptations of fresh water animals in lotic habitat.	
August (25 Days)	Terrestrial habitat :- A brief account of Biomes - Tundra, Taiga, Evergreen forest Desert. Faunal adaptation to desert condition. Zoogeographical Realms :- Subdivisions.	
September (25 Days)	Geographic distribution of animals. Continuous & discontinuous distribution. Topographic barriers. Wild life Problems. Conservation & Management.	

May-4th Online classes,

July 5th Offline classes,

Sept-13th Last working day.

[Signature]
STAFF

[Signature]
CO-ORDINATOR

[Signature]

[Signature]
PRINCIPAL



H. K. E. Society's
Smt. V. G. Degree College & PG centre for for Women,
Kalaburagi
Affiliated to K.S.A. M. W. U. Vijayapura-NAAC Accredited "A" Grade



MONTHWISE TEACHING PLAN 2020-21

(EVEN SEMESTER)

Name of the Staff: *Dr. Chandhabala Talh*

Class: B.Sc IV Sem

Subject: *Zoology*

Paper: *Z-4 - Physiology & Biochemistry*

Month (working Days)	Syllabus to be covered	Remarks
May (23 Days)		
June (26 Days)		
July (26 Days)	<i>Endocrine glands! - Functions of Mammalian endocrine glands Pituitary, Thyroid, Parathyroid, Pancreas, Adrenal, Testis ovary. Hormonal changes in Women.</i>	
August (25 Days)	<i>Qualitative test for the detection of carbohydrates, Protein Abnormal constituents of urine.</i>	
September (25 Days)	<i>Determination of hematin crystals from own blood.</i>	

May-4th Online classes,

July 5th Offline classes,

Sept-13th Last working day.

Dr. Chandhabala Talh
STAFF

Dr. Chandhabala Talh
CO-ORDINATOR

Dr. Chandhabala Talh

Dr. Chandhabala Talh
PRINCIPAL

Head of Department of Zoology
Smt. V.G. Degree College for Women
KALABURAGI-585102

Smt. V.G. Degree College for Women
KALABURAGI-585102



H. K. E. Society's
Smt. V. G. Degree College & PG centre for for Women,
Kalaburagi
Affiliated to K.S.A. M. W. U. Vijayapura-NAAC Accredited "A" Grade



MONTHWISE TEACHING PLAN 2020-21

(EVEN SEMESTER)

Name of the Staff: Dr. Devadas Chetty

Class: B.Sc II Sem

Subject: Zoology

Paper: Biology of Chordata & Osteology

Month (working Days)	Syllabus to be covered	Remarks
May (23 Days)		
June (26 Days)	<u>Unit V</u> General characters & classification up to order with suitable examples of class Birds	
July (26 Days)	<u>Flight Adaptation of Birds & Economic importance of birds.</u> Class- Mammals! Gen. Charac & Classification with examples. <u>TYPE Study of Rat, respiratory digestion, Nutrition & excretion.</u>	
August (25 Days)		
September (25 Days)		

May-4th Online classes,

July 5th Offline classes,

Sept-13th Last working day.

STAFF

CO-ORDINATOR

Head of Department of Zoology

PRINCIPAL

Smt. V.G. Degree College for Women

KALABURAGI-585

Smt. V.G. Degree College for Women,

KALABURAGI



H. K. E. Society's
Smt. V. G. Degree College & PG centre for for Women,
Kalaburagi
Affiliated to K.S.A. M. W. U. Vijayapura-NAAC Accredited "A" Grades



MONTHWISE TEACHING PLAN 2020-21

(EVEN SEMESTER)

Name of the Staff: *Dr. Devasdas chetty*

BSZ60062

Class: *B.Sc V Sem*

Subject: *Zoology*

Paper: *Ecology, Zoogeography and wild life Biology*

Month (working Days)	Syllabus to be covered	Remarks
May (23 Days)		
June (26 Days)		
July (26 Days)	<i>Ecology Unit I Introduction, Defn, Subdivisions Scope of Ecology, light effect on Animals & Temp. effect on temp.</i>	
August (25 Days)	<i>Unit III Ecosystem. Component & functions of ecosystem Natural & man made Man made engineered ecosystem. Types of food Chain with examples Food web, Ecological Pyramids Study of Pond Types & ecology Zooth - it detail</i>	
September (25 Days)		

May-4th Online classes,

July 5th Offline classes,

Sept-13th Last working day.

[Signature]
STAFF

[Signature]
CO-ORDINATOR

[Signature]

[Signature]
PRINCIPAL

Head of Department of Zoology
Smt. V.G. Degree College for Women,
KALABURAGI-585102
Smt. V.G. Degree College for Women,
KALABURAGI



H. K. E. Society's
Smt. V. G. Degree College & PG centre for for Women,
Kalaburagi
Affiliated to K.S.A. M. W. U. Vijayapura-NAAC Accredited "A" Grade



MONTHWISE TEACHING PLAN 2020-21

Name of the Staff: **veeresh kumar peddi.** (EVEN SEMESTER)

Class: B.Sc II Sem

Subject: **Zoology**

Paper: **Biology of chordate & osteology.**

Month (working Days)	Syllabus to be covered	Remarks
May (23 Days)	Syllabus discussion, Introduction to chordates. <u>Unit I</u> , General characters & outline classification of phylum chordate upto class with examples.	
June (26 Days)	General characters of subphylum, unchordata, Cephalochordata, & vertebrata. class - cyclostomata.	
July (26 Days)	General characters with suitable examples & general organisation of Petromyzom.	
August (25 Days)	<u>Unit II</u> : Amphibia General characters & classification upto orders with suitable examples, ecology, & distribution of Ichthyophis, Hyla, Bufo & Salamandra.	
September (25 Days)	Reptiles.	

May-4th Online classes,

July 5th Offline classes,

Sept-13th Last working day.

STAFF

CO-ORDINATOR
Head of Department of Zoology
Smt. V.G. Degree College for Women,
KALABURAGI-585102

PRINCIPAL
PRINCIPAL
Smt. V.G. Degree College for Women,
KALABURAGI



H. K. E. Society's
Smt. V. G. Degree College & PG centre for Women,
Kalaburagi
Affiliated to K.S.A. M. W. U. Vijayapura-NAAC Accredited "A" Grade



MONTHWISE TEACHING PLAN 2020-21

(EVEN SEMESTER)

Name of the Staff: Veeresh Kumar Patel

Class: B.Sc IV Sem

Subject: Zoology

Paper: Physiology & Biochemistry

Month (working Days)	Syllabus to be covered	Remarks
May (23 Days)	Physiology Introduction <u>Unit 4: Circulation</u> : Type of circulation - structure, functions & regulation of human heart, blood pressure, composition of human blood, neurogenic & myogenic hearts.	
June (26 Days)	<u>Unit 3: Respiration</u> - External & internal respiration - Respiratory Pigments, Hemoglobin, haemocyanin & haemoerythrin, Transport of O ₂ & CO ₂	
July (26 Days)	<u>Unit 6: muscle contraction</u> : principle type of muscles, ultrastructure of striated muscle, contractile proteins - myosin, actin, tropomyosin, adinin & troponin, mechms of muscle contraction, sliding filament theory.	
August (25 Days)	<u>Unit 2: Digestion</u> : mechanical digestion & chemical digestion of proteins, carbohydrates & lipids.	
September (25 Days)	Revision, practical exams.	

May-4th Online classes,

July 5th Offline classes,

Sept-13th Last working day.

V Patel
STAFF

G Patel
CO-ORDINATOR
Head of Department of Zoology
Smt. V.G. Degree College for Women
KALABURAGI-585102

M. S. S.
PRINCIPAL
PRINCIPAL
Smt. V.G. Degree College for Women,
Kalaburagi



H. K. E. Society's
Smt. V. G. Degree College & PG centre for for Women,
Kalaburagi
Affiliated to K.S.A. M. W. U. Vijayapura-NAAC Accredited "A" Grade



MONTHWISE TEACHING PLAN 2020-21

(EVEN SEMESTER)

Name of the Staff: Veeresh Kumar Patel

Class: B.Sc VI Sem

Subject: Zoology

Paper: 6.1 Cell developmental Biology

Month (working Days)	Syllabus to be covered	Remarks
May (23 Days)	Introduction to cell developmental Biology, syllabus discussion.	
June (26 Days)	<u>Unit VI</u> Early development of frog. Structure of ovum, cleavage & gastrulation, development of frog; structure of hen's egg.	
July (26 Days)	<u>Unit IV</u> Introduction. Branches of embryology. Scope of embryology. Theories of development, preformation & epigenetic theory, gametogenesis, spermatogenesis, oogenesis, comparison between them.	
August (25 Days)	<u>Unit V</u> Fertilization kinds of fertilization, approach of gametes, fertilization & antifertilization, acrosome-reaction, cortical reaction, Amphimixis polyspermic fertilization, significance of fertilization.	
September (25 Days)	Revision, practical exam.	

May-4th Online classes,

July 5th Offline classes,

Sept-13th Last working day.

V. Patel
STAFF

V. Patel
CO-ORDINATOR
Head of Department of Zoology
Smt. V.G. Degree College for Women
KALABURAGI-585102

M. S. S.
PRINCIPAL
Smt. V.G. Degree College for Women
KALABURAGI



H. K. E. Society's
Smt. V. G. Degree College for Women,
Kalaburagi
Affiliated to A. M. W. U. Vijayapura-NAAC Accredited "A" Grade



MONTHWISE TEACHING PLAN 2020-21
(ODD SEMESTER)

Name of the Staff: *Suhasini Gubbinaad*

Class: *B.Sc I Sem*

Subject: *Biotechnology* paper: *Cell biology and cytogenetics*

Month (working Days)	Syllabus to be covered	Remarks
September (25 Days)		
October (23 Days)		
November (23 Days)		
December (15 Days)	<i>Mutations, Types of mutations, characteristics, Spontaneous mutations, Induced mutations, Mutagens: Physical and Chemical mutagens, mutations at molecular level, Mutations in plants, animals & microbes for the economic benefit of man. Karyotype in man.</i>	
Jan (16 Days)	<i>Inherited disorders - Autosomal - Klinefelter's syndrome, Turner's syndrome, Autosomal disorders - Down's syndrome, Cri-duchat syndrome, Sex determination. Concept of allosomes & autosomes - XX-XY, XX-XO, ZW, ZZ, ZO-ZZ types.</i>	

Suhasini
STAFF
(*Suhasini Gubbinaad*)

G. R. D.
CO-ORDINATOR

A. S. S.
PRINCIPAL
PRINCIPAL
Smt. V.G. Degree College for Women,
KALABURAGI.



H. K. E. Society's
Smt. V. G. Degree College for Women,
Kalaburagi
Affiliated to A. M. W. U. Vijayapura-NAAC Accredited "A" Grade

MONTHWISE TEACHING PLAN 2020-21

(ODD SEMESTER)

Name of the Staff: *Suhasini Gubbewad*

Class: B.Sc III Sem

Subject: Biotechnology Paper: Microbiology & Immunology

Month (working Days)	Syllabus to be covered	Remarks
September (25 Days)		
October (23 Days)	Introduction, History and scope of Immunology Immunity - types of immunity, Innate immunity, Acquired immunity, Active and Passive immunity Humoral and cell mediated immune response. Antigens - types of antigens, epitope, paratope.	
November (23 Days)	Effector phase, Blood group antigens. Antibodies - structure & types - IgG, IgM, IgA, IgE, IgD, Properties of antibodies, functions of antibodies. Antigen - Antibody reactions - Precipitation, Agglutination Complement fixation, Immunofluorescence, Immunodiffusion, RIA, ELISA	
December (15 Days)	Cells & organs of immune system - Primary lymphoid organs Thymus, Bone marrow, Secondary lymphoid organs - Lymph node, Spleen, MALT, T-cells, B-cells, Natural Killer cells, Macrophages. Antibody mediated immunity	
Jan (16 Days)	Cell mediated immunity, allergies, types of allergy hypersensitivity, IgE mediated antibody hypersensi- -vity reactions.	

Suhasini
STAFF
(*Suhasini Gubbewad*)

[Signature]
CO-ORDINATOR

[Signature]
PRINCIPAL
PRINCIPAL
Smt. V.G. Degree College for Women,
KALABURAGI.



H. K. E. Society's
Smt. V. G. Degree College for Women,
Kalaburagi

Affiliated to A. M. W. U. Vijayapura-NAAC Accredited "A" Grade

MONTHWISE TEACHING PLAN 2020-21

(ODD SEMESTER)

Name of the Staff: Suhasini Gubbenad

Class: B.Sc V Sem

Subject: Biotechnology

Paper: Plant and Animal Biotechnology

(5.2)

Month (working Days)	Syllabus to be covered	Remarks
September (25 Days)		
October (23 Days)	Maintenance of cell lines, Monolayer culture Suspension culture - stirred tank bioreactor.	
November (23 Days)	Applications of stirred tank bioreactors, Continuous flow culture, Air lift fermentors, its uses & applications Cloning primary cell culture, types of culture vessels, Established cell lines, Somatic cell fusion, method, procedure application Organ culture, whole embryo culture & chick embryo culture.	
December (15 Days)	Applications of Animal cell culture in Regenerative medicine In vitro fertilization, Embryo transfer & applications, Applications of Biotechnology in apiculture, sericulture & Aqua culture In vitro haploid production & their applications. Somaclonal variations & cell line selection, Somatic embryogenesis & synthetic seeds & cryopreservation.	
Jan (16 Days)	Protoplast isolation & fusion and somatic hybridization in crop improvement. Marker study RFLP, RAPD, Micro-satellites or SSR's & EST's in crop plants. Plant secondary metabolite production through cell culture.	

Suhasini
STAFF

(Suhasini Gubbenad)

Gubbenad
CO-ORDINATOR

H. K. E. Society's
PRINCIPAL

PRINCIPAL
Smt. V.G. Degree College for Women,
KALABURAGI.



H. K. E. Society's
Smt. V. G. Degree College for Women,
Kalaburagi
Affiliated to A. M. W. U. Vijayapura-NAAC Accredited "A" Grade

MONTHWISE TEACHING PLAN 2020-21

(ODD SEMESTER)

Name of the Staff: *Smt. mangala. Bradar*

Class: B.Sc I Sem

Subject: *cell biology* Paper: *1-1*
cytogenetics

Month (working Days)	Syllabus to be covered	Remarks
September (25 Days)		
October (23 Days)		
November (23 Days)		
December (15 Days)	<i>Chromosomes - morphology - organization - centromere, Telomere, Euchromatin, Heterochromatin, Karyotype, nucleosome model, special type of chromosomes: salivary gland & lampbrush chromosomes.</i>	
Jan (16 Days)		

STAFF

CO-ORDINATOR

PRINCIPAL

Smt. mangala. Bradar

[Signature]
PRINCIPAL
Smt. V.G. Degree College for Women,
Kalaburagi



H. K. E. Society's
Smt. V. G. Degree College for Women,
Kalaburagi
Affiliated to A. M. W. U. Vijayapura-NAAC Accredited "A" Grade

MONTHWISE TEACHING PLAN 2020-21

(ODD SEMESTER)

Name of the Staff: Smt. mangala. Bradar

Class: B.Sc Sem III Subject: microbiology Paper: 3.1

Month (working Days)	Syllabus to be covered	Remarks
September (25 Days)	Introduction & scope of microbiology. Definition & history of microbiology. contribution of Antony van Leeuwenhoek, Louis Pasteur, Robert Koch, Joseph Lister & Alexander Fleming. compound, dark field microscope, electron microscope. sterilization - physical & chemical methods.	
October (23 Days)	Radiation methods of sterilization. stains & staining techniques. principles of types of stain. General characters of viruses & Bacteria.	
November (23 Days)	pathogenic microorganisms - tuberculosis typhoid, cholera & AIDS. culture media - types. isolation of bacteria & fungi. preservation of cultures. microbial growth curve. nutritional requirements of microorganism	
December (15 Days)		
Jan (16 Days)		

STAFF

Smt. mangala. Bradar

CP

CO-ORDINATOR

Shruti

PRINCIPAL

PRINCIPAL

Smt. V.G. Degree College for Women,
KALABURAGI



H. K. E. Society's
Smt. V. G. Degree College for Women,
Kalaburagi
Affiliated to A. M. W. U. Vijayapura-NAAC Accredited "A" Grade

MONTHWISE TEACHING PLAN 2020-21

(ODD SEMESTER)

Name of the Staff: Smt. mangala. Biradar
Class: B.Sc Sem V Subject: Genetic Engineering Paper: 5-1

Month (working Days)	Syllabus to be covered	Remarks
September (25 Days)	Introduction to G.E. gene cloning methods & application of G-E R-E classification, nomenclature. types, DNAase, RNAase, polymerases, si nucleases, vectors PCR, pUC, Bacteriophage -lambda, phage-M13	
October (23 Days)	cosmids, YAC, Shuttle vectors gene introducing methods in prokaryotes & Eukaryotes Direct screening, direct selection, indirect screen nucleic acid probes, Blotting techniques southern blotting, Northern blotting, PCR-Applications.	
November (23 Days)	Biochip & sequencing, DNA-finger, pointing genomic Library & application, c-DNA library production of α -vaccines, Hepatitis-B vaccine HGH, Insulin.	
December (15 Days)	Human genome project. Bioinformatics. Biosafety.	
Jan (16 Days)		

STAFF

Smt. mangala. Biradar

CO-ORDINATOR

[Signature]
PRINCIPAL

Smt. V. G. Degree College for Women,
KALABURAGI



H. K. E. Society's
Smt. V. G. Degree College for Women,
Kalaburagi
Affiliated to A. M. W. U. Vijayapura-NAAC Accredited "A" Grade

MONTHWISE TEACHING PLAN 2020-21
(ODD SEMESTER)

Name of the Staff: Dr. Parvathi
Class: B.Sc. Sem III Subject: Chemistry Paper: III

Month (working Days)	Syllabus to be covered	Remarks
September (25 Days)	<u>Alcohols classification monohydric alcohols, WPTC methods preparation, Crisquad reagent hydration, hydroboration, monohydric alcohols, O-H & C-O bonds. Linkages. Hydrogen bonding in alcohols, mechanism of alcohols.</u>	
October (23 Days)	<u>by acetic acid, dihydric alcohols chemical reaction and oxidative cleavage. Pinacol pinacol rearrangement. Preparation of glycol phenols classification acidic character alcohols. phenols, Stabilization of phenoxide</u>	
November (23 Days)	<u>Aromatic substitution, acylation carbonyl addition, Fries rearrangement, Claisen, Galbraith rearrangement, Wulstch reimer tannin reaction, Reimer Tilden reaction ethers and epoxides</u>	
December (15 Days)	<u>Nomenclature physical property, Autooxidation, Favorskii rearrangement and other reactions Synthesis of epoxides, acid base catalyzed ring opening of epoxides, orientation of epoxides, ring opening of organic with</u>	
Jan (16 Days)	<u>use of reagent, epoxides chemical reaction of epoxides.</u>	

[Signature]
STAFF

[Signature]
HEAD

[Signature]
CO-ORDINATOR

[Signature]

CHEMISTRY DEPARTMENT
SMT. V. G. COLLEGE FOR WOMEN
GULBURGA - 585 102

PRINCIPAL
[Signature]
ಶ್ರೀಮತಿ ಬಿರಮ್ ಗಂಗಾಧರ ಮಹಾ
ಪ್ರಾಚಾರ್ಯ, ಲಯ. ಕಲಬುರಗಿ



H. K. E. Society's
Smt. V. G. Degree College for Women,
Kalaburagi
Affiliated to A. M. W. U. Vijayapura-NAAC Accredited "A" Grade

MONTHWISE TEACHING PLAN 2020-21
(ODD SEMESTER)

Name of the Staff: *Dr. Parvathi*

Class: *B.Sc* Sem *V* Subject: *Chemistry* Paper: *S-1*

Month (working Days)	Syllabus to be covered	Remarks
September (25 Days)	Electrochemistry: Conductance (specific, molar, equivalent), conductance, cell constant, dep. equivalent conductance with dilution, ionic mobility, relation bet ⁿ them, application of conductance measurements, titration of strong	
October (23 Days)	acid strong base, mixture of weak acid and strong base, Electrolyte weak electrolyte at definite solution, Catalytic catalytic reactions - Acid base titration, kinetics of acid-base react ⁿ	
November (23 Days)	order, mechanism of pH dependence degree of rate of catalyzed reactions Belsov-zhivists reaction qualitative approach, the Brusselator and Oregonator model	
December (15 Days)		
Jan (16 Days)		

[Signature]
STAFF

[Signature]
HEAD

[Signature]
CO-ORDINATOR

[Signature]
PRINCIPAL

CHEMISTRY DEPARTMENT
SMT V.G. COLLEGE FOR WOMEN
GULBARGA - 585 102

ಶ್ರೀಮತಿ ಬೀರಮ್ಮ ಗಂಗಾಧರಿ ಮಹಿಳಾ
ಮಹಾವಿದ್ಯಾಲಯ, ಕಲಬುರಗಿ.



H. K. E. Society's
Smt. V. G. Degree College for Women,
Kalaburagi
Affiliated to A. M. W. U. Vijayapura-NAAC Accredited "A" Grade

MONTHWISE TEACHING PLAN 2020-21
(ODD SEMESTER)

Name of the Staff: Dr. Pasvathi

Class: B.Sc Sem V Subject: Chemistry Paper: 5.2

Month (working Days)	Syllabus to be covered	Remarks
September (25 Days)	Carbohydrates: classification as non-reducing, reducing, anomers of glucose & mannose. Form of glycosides configurations. Mechanism of mutarotation, cyclic str.	
October (23 Days)	Size ring of monosaccharides, Introduction of disaccharides, maltose, lactose, sucrose, polysaccharides, starch, cellulose involving spiral determination	
November (23 Days)	Terpenoids: occurrence, classification, Isolation, Diels Alder reaction, application, synthesis, Elucidation str of citral and a terpene. Alkaloids: classification with examples	
December (15 Days)	Elucidation str of cocaine, nicotine, and synthesis of cocaine, nicotine, str and uses of Atropine and Cocaine. Chemistry of new materials conducting polymers	
Jan (16 Days)	Int?, Polymeric, polycyclic mechanism of coordination, diphq properties, Biological applications. Superconductors: defn type? \rightarrow H, V, Ba, Cu, oxides. Nanomaterials, properties, applications. Carbon nanotubes, Industrial applications, nanosilver, vapor liquid states, applications	

STAFF

HEAD

CO-ORDINATOR

PRINCIPAL
ಶ್ರೀಮತಿ ಬಿ.ಎ. ಶರಣ್
ಶ್ರೀಮತಿ ಬಿ.ಎ. ಶರಣ್, ಕಲಬುರಗಿ
ಕಲಬುರಗಿ, ಕರ್ನಾಟಕ.



H. K. E. Society's
Smt. V. G. Degree College for Women,
Kalaburagi
Affiliated to A. M. W. U. Vijayapura-NAAC Accredited "A" Grade

MONTHWISE TEACHING PLAN 2020-21

(ODD SEMESTER)

Name of the Staff: Miss. Mamata S.H
Class: B.Sc. Sem: I Subject: Chemistry Paper: I

Month (working Days)	Syllabus to be covered	Remarks
September (25 Days)	<u>Unit-I: Atomic Structure:</u> Wave-mechanical model - Schrodinger wave equation for hydrogen atom, Eigen Values, Eigen functions, probability density, significance of ψ & ψ^2 , shape of s, p, d & f orbitals, Quantum numbers, Rules governing the electronic configuration: Aufbau Principle, Hund's rule, P.e.P & (n+l) rule, E.C of elements upto a.no. 60.	
October (23 Days)	<u>Periodic properties:</u> Atomic & ionic radii, I.E, E.A, E.N, Debye methods of determination trends in periodic table & applications in predicting & explaining the chemical behaviour. <u>Unit -II: Principles of Volumetric Analysis:</u> Titration types of titrations, equivalence point, choice of indicators, Standard solutions, (Normality, Molality, Molarity & PPM), Primary Standard.	
November (23 Days)	a) Acid-base titrations, b) Precipitation titrations, c) Redox titration, d) Complexometric titrations. <u>Unit: VI: Gaseous State: Introduction</u>	
December (15 Days)	<u>Critical Phenomena:</u> PV isotherms of real gases, Continuity of states, the isotherms of Vander Waals equation, relationship b/w critical constants & Vander Waals constants, the law of corresponding states, reduced eq ⁿ of state, Molecular velocities: Root mean square (average & most probable velocities), Qualitative discussion of the Maxwell's distribution of molecular velocities, collision number, mean free path & collision diameter.	
Jan (16 Days)	<u>Unit: VII: Liquid State:</u> Intermolecular forces: Structure of liquids, structural differences b/w Solids, Liquids & gases, Liquid crystals: Difference b/w liquid crystal, solid & liquid; Classification, Structure of nematic & cholesteric phases. <u>Solid state:</u> Laws of Crystallography, Law of Constancy of interfacial angles, X.R.I, L.S.E in crystals, Derivation of Bragg's equation, determination of crystal structure of NaCl.	

STAFF

HEAD

CO-ORDINATOR

PRINCIPAL

CHEMISTRY DEPARTMENT
SMT V.G. COLLEGE FOR WOMEN
GULBARGA - 585 02

ಶ್ರೀಮತಿ ಬೀರಮ್ಮ ಹರಿಕೃಷ್ಣ ಮಹೇಶ್
ಮಹಾವಿದ್ಯಾಲಯ, ಕಲಬುರಗಿ.



H. K. E. Society's
Smt. V. G. Degree College for Women,
Kalaburagi
Affiliated to A. M. W. U. Vijayapura-NAAC Accredited "A" Grade

MONTHWISE TEACHING PLAN 2020-21

(ODD SEMESTER)

Name of the Staff: Miss Mamata S.H


Class: B.Sc. Sem III Subject: Chemistry Paper: III

Month (working Days)	Syllabus to be covered	Remarks
September (25 Days)	<u>Unit VI: Chemical Kinetics</u> Second order reaction, derivation of second order rate equation when $a=b$, experimental methods of determination of order of reaction (differential, half &	
October (23 Days)	isolation methods). Theory of reaction rates - qualitative treatment of collision theory of bimolecular reactions, theory of unimolecular reactions (Lindemann's hypothesis). An elementary account of transition state theory. Comparison of C.T & T.S.T.	
November (23 Days)	<u>Unit VII: Thermodynamics - I</u> First law of thermodynamics, enthalpy & its relation with internal energy molar heat capacities of gases. (C_p & C_v) relation b/w them to be derived.	
December (15 Days)	Expression for maximum work done during reversible isothermal expansion of an ideal gas, Joule-Thomson effect, Joule-Thomson coefficient, inversion temp numerical problems.	
Jan (16 Days)	<u>Colloidal State</u> : Electrical properties, stability of colloids, protective action, Hardy-Schulze rule, Gold number. Liquids in liquids, Liquids in solids (gels). Classification, preparation & properties, imbibition, general applications of colloids.	


STAFF


HEAD

CO-ORDINATOR


PRINCIPAL
ಶ್ರೀಮತಿ ಬೆಂದ್ರೆ ಗೌರಿಪ ಮಹಾ
ಮಾತೆಯವರು, ಕಲಬುರಗಿ.



H. K. E. Society's
Smt. V. G. Degree College for Women,
Kalaburagi
Affiliated to A. M. W. U. Vijayapura-NAAC Accredited "A" Grade

MONTHWISE TEACHING PLAN 2020-21

(ODD SEMESTER)

Name of the Staff: Dr. Shivaraj D. Wajje

Class: B.Sc V Sem

Subject: CHEMISTRY Paper: 5.2

Month (working Days)	Syllabus to be covered	Remarks
September (25 Days)	<u>Unit I:- Coordination Compounds:-</u> Complex Salts & double Salts Werner's theory of complex, Selgwick's theory of EAN Concept, Types of Ligands - monodentate, polydentate & ambidentate. Factors affecting the stability of complexes. Nomenclature of Coordination Comp. Geometrical isomerism of complex with C.N. 4 & 6.	
October (23 Days)	<u>Unit II:- Bonding in coordination compounds:-</u> Valence Bond Theory (VBT), Pauling assumptions, inner and outer orbital complexes. with example forms of bonds on the basis of VBT. $[Ca(NH_3)_4]^{2+}$, $[NiCO_4]$, $[Ni(CN)_4]^{2-}$, $[Fe(CN)_6]^{4-}$, $[Fe(CN)_6]^{3-}$	
November (23 Days)	<u>Unit III:- Organic reagents in Inorganic analysis:-</u> Introduction, Significance of organic reagents, properties and structure of DMG, EDTA, oxine & orthophenanthroline. Applications of each of the above reagents in qualitative and quantitative analysis.	
December (15 Days)	<u>Unit IV:- Spectroscopy of Organic Compounds:-</u> <u>Ultraviolet Spectroscopy (UV):-</u> Principles & measurements, electronic excitation, Simple chromophoric groups. Conjugated, extended conjugation & aromatic system. Expts by taking examples of acetaldehyde & benzaldehyde and Acetone & Acetophenone.	
Jan (16 Days)	<u>Infrared Spectroscopy (IR):-</u> molecular vibrations, Principle & measurements, Absorption of common functional groups -NH ₂ , -NH, -OH, -C=N, -C≡N, C=O, -COOR, finger print region of aromatic compounds.	

STAFF

HEAD

CO-ORDINATOR

PRINCIPAL

CHEMISTRY DEPARTMENT
SMT V.G. COLLEGE FOR WOMEN
GULBARGA-585 102

ಪ್ರಾಚಾರ್ಯರು
ಶ್ರೀಮತಿ ಶಿವರಾಜ್ ದೇವಿ, ಗೌರವ. ಮತ್ತು
ಮಹಾದೇವಿ, ಕಲಬುರಗಿ



H. K. E. Society's
Smt. V. G. Degree College for Women,
Kalaburagi
Affiliated to A. M. W. U. Vijayapura-NAAC Accredited "A" Grade

MONTHWISE TEACHING PLAN 2020-21

(ODD SEMESTER)


Name of the Staff: Dr. Shivaraj Mulagi

Class: B.Sc V Sem

Subject: CHEMISTRY Paper: 5.1.

Month (working Days)	Syllabus to be covered	Remarks
September (25 Days)	<u>Unit I:- Bio-Inorganic Chemistry:-</u> Essential & Trace elements in biological process. Metalloporphyrins with special reference to haemoglobin & myoglobin. Biological role of alkali & alkaline earth metals ions. with special reference to Ca^{2+} Nitrogen-fixation.	
October (23 Days)	<u>Unit II:- Inorganic Polymers:-</u> Types of Inorganic Polymers. Comparison with organic polymers. Synthesis, structural aspects & applications of Borazole, Silicones, O-phosphorotriethyls. Fluorocarbons -Teflon	
November (23 Days)	<u>Unit III:- Heterocyclic Compounds:-</u> Molecular orbital picture, and aromatic character of pyrrole, furan, thiophene & Pyridine. Methods of forms & reactions of pyrrole, furan, thiophene & pyridine. Comparison of basicity of Pyrrole, pyridine and piperidine.	
December (15 Days)	Condensed five & six membered heterocycles:- preparation and reactions of Indole & Quinoline - Fischer-Indole Synthesis and Skraup synthesis. <u>Unit IV:- Organometallic Compds:-</u> Organomagnesium Compds - Grignard reagents - form & Chem. reactions.	
Jan (16 Days)	<u>Organozinc Compds:-</u> form & Chemical reactions - <u>Organolithium Compds:-</u> form & chemical reactions, <u>Organosulphur Compds:-</u> Nomenclature, str. features, methods of form & chem. reacns of Thiols, Thioethers, Sulphonic acids, Sulphaguanidine & Sulphenamide.	


STAFF


HEAD

CHEMISTRY DEPARTMENT
SMT V.G. COLLEGE FOR WOMEN
GULBARGA-585 102


CO-ORDINATOR


PRINCIPAL

ಪ್ರಾಚಾರ್ಯರು
ಶ್ರೀಮತಿ ಶಿರಮ್ಪು ನರಸಿರಿ ಸುಕೀಣ
ಮಹಾದಿವ್ಯಲಯ, ಕಲಬುರಗಿ



H.K.E. SOCIETY'S
SMT. VEERAMMA GANGASIRI DEGREE COLLEGE FOR WOMEN GULBARGA - 585
102
NAAC- ACCREDITED "A" GRADE (3rd Cycle)
Affiliated to Karnataka State Akkamahadevi Women's
university, vijayapura



**MONTHWISE TEACHING PLAN-2020-2021
(ODD SEMESTER)**

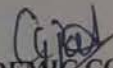
Name of the staff: Miss. Smita S Patil

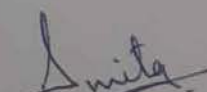
Class: B.com V Sem

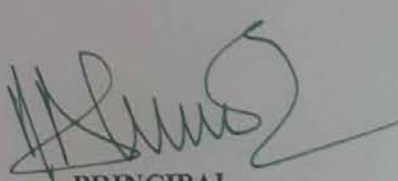
Sub: MS-Office and E-Commerce

Month (Working Days)	Syllabus to be covered	Remarks
October (09 days)	MS Word: Meaning ,Features, Advantages & Applications of Word Processing, Elements of MS Word Application Window, Toolbars, Entering text, formatting, editing & saving a document Moving & Copying text, Formatting Text & Paragraph, Applying Bullets & Numbering, Find & Replace, Inserting object, Date & Time, Headers & Footers, Auto Correct, Spelling & Grammar Checking. Working with Tables – Inserting, Filing & Formatting a table. Mail Merge – Meaning, Advantages, Creating merged letters.	
November (22 days)	Advanced MS Excel : Formulas , Functions (Mathematical, Logical, Statistical, Financial), Graphs (Line, Bar, Area, Pie etc), Data sorting, filtering & Grouping. 08 3 MS Access: Introduction, Data, information, Database file, Record, Fields, Meaning, Features,	
December (26 days)	Advantages & Disadvantages & Application of MS Access. Parts of MS Access Window – Tables, Forms, Queries & Reports – Data Validity Checks 08 4 MS PowerPoint: Introduction, Meaning, Features, advantages & Application of MS PowerPoint. Parts of MS PowerPoint window, menus & toolbars, Creating through auto content wizard, Design templates & Blank Presentation, Slide show – Saving, Opening & Closing a Presentation, Inserting, Editing & Deleting slides, Types of Slides, Slide layouts,	
January (24 days)	Slide views, Insert and modify tables and charts, Add sound and video to a slide presentation, insert clipart images and shapes to slides, Insert and edit animations and slide transitions 10 5 E-Commerce: Overview of E-Commerce, Meaning, E-Commerce based activities,	
February (09 days)	Goals of E-Commerce Technical Components of E-Commerce, Functions, Advantages & Disadvantages of E-Commerce, Scope of E-Commerce, ECommerce Applications Business Models : B2B, B2C, C2C & C2B	

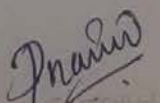
- Note:** 1. Opening day :
2. Commencement of Class :
3. Completion of Syllabus :
4. Closing Day :


ACADEMIC COORDINATOR


SIGNATURE OF THE STAFF


PRINCIPAL

PRINCIPAL
Smt. V.G. Degree College for Women
GULBARGA.


Dept. of Commerce
Smt. V. G. Womens College,
GULBARGA.



H.K.E. SOCIETY'S
SMT. VEERAMMA GANGASIRI DEGREE COLLEGE FOR WOMEN,
GULBARGA - 585 102
NAAC- ACCREDITED "A" GRADE (3rd Cycle)
Affiliated to Akkamahadevi Women's University, Vijayapura

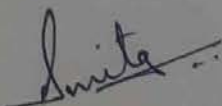


MONTHWISE TEACHING PLAN 2020 – 2021
(Odd Semester)

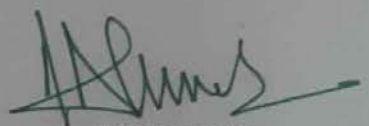
NAME OF THE STAFF: SMITA PATIL CLASS: B.SC I SEM SUB: MS-OFFICE & C-PROGRAMMING


MONTH (WORKING DAYS)	SYLLABUS TO BE COVERED	REMARKS
OCT (23 Days)	UNIT-I: MS-OFFICE Word Processing, features of word processing, menus & commands, toolbar, creating document, saving a document, printing a document, paragraph setting, working with tables Inserting clipart,	
NOV (23 Days)	Inserting pictures, use word art, inserting shapes, header and footer, inserting bullets and numbering. UNIT-II:C-PROGRAMMING Algorithms and Flowcharts., Basic structure of C Program Programming Style, Executing a C Program	
DEC (25 Days)	UNIT-III Constants Variables and data types, Operators, Logical operators, Conditional Operators, Bitwise operators, Special operators, Precedence of operators, Arithmetic expression, type conversion in expression, UNIT-IV Input, output functions, formatted input and output	
JAN (19 Days)	Decision making with if statement, simple if statement, else if statement, Nested if-else statement, the else if ladder, the switch statement, goto statement. The while statement, do-while statement, for statement, jump statement, character, strings, one-dimensional arrays, two dimensional arrays, and multidimensional array	

1. OPENING DAY: :20/10/2020
2. COMPLETION OF SYLLABUS: :19/01/2021
3. CLOSING DAY: :20/01/2021


STAFF


ACADEMIC COORDINATOR


PRINCIPAL
PRINCIPAL
Smt. V.G. Degree College for Women
GULBARGA


Smt. V. G. Womens College
GULBARGA.



**H.K.E. SOCIETY'S
SMT. VEERAMMA GANGASIRI DEGREE COLLEGE FOR WOMEN
GULBARGA - 585 102**

NAAC- ACCREDITED "A" GRADE (3rd Cycle)
Affiliated to Akkamahadevi Women's University, Vijayapura



**MONTHWISE TEACHING PLAN 2020 - 2021
(Odd Semester)**


NAME OF THE STAFF :SMT.SHWETA KOTE CLASS :B.Sc III Sem

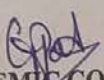
SUB:C++

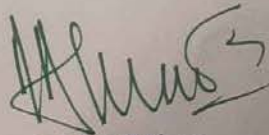
MONTH (WORKING DAYS)	SYLLABUS TO BE COVERED	REMARKS
SEP (26 Days)	<p>UNIT I Overview of C++; Object Oriented Programming concepts, advantages, C++ program development environment, the C++ language standards, C++ as a superset of C. Classes & Objects: classes, structure & classes, union & classes, inline function, scope resolution operator, static class members: static data member, static member function, passing objects to function, returning objects, object assignment, constructors & destructors, friend function, friend classes.</p> <p>UNIT II References & Dynamic Allocation Operators: array of objects, pointers to object, type checking C++, pointers, the this pointer, pointer to derived types, pointer to class members, reference parameter,</p>	
OCT (23 Days)	<p>call by reference and return by reference, passing references to objects, returning reference, C++'s dynamic allocation operators, allocating objects.</p> <p>UNIT III Overloading as polymorphism: function & operator overloading, operator overloading restrictions, operator overloading using friend function.</p> <p>Namespaces: global namespace and namespace std, nested namespaces</p> <p>Inheritance : base class access control, inheritance & protected members, protected base Class inheritance, inheriting multiple base classes, constructors, destructors & inheritance, execution of constructor & destructor functions, passing parameters to base class constructors, granting access, virtual base classes .</p>	
NOV (23 Days)	<p>Virtual Functions & Polymorphism: virtual function, pure virtual functions, early vs. late binding.</p> <p>UNIT IV Templates and Exception Handling: Exception handling in C++, try, throw, catch sequence, multiple catch blocks, uncaught exceptions, catch-all exception handler, Templates: Reason for templates, compactness and flexibility, function template, class templates. The C++ I/O System Basics: C++ Streams, the basic stream classes, c++ predefined streams, formatted I/O file processing.</p> <p>UNIT V :Overview of the Standard Template Library: The Standard Template Library, Design goals, Header files,</p>	
DEC (25 Days)	<p>STL components, STL Example: vectors, lists, maps, sets. Containers-Vector, Deque, List, Associative Containers, Set, Multiset, Map, Multimap. Iterators: Input iterators, Output iterators, Forward iterators, Backward iterators.</p>	

1. OPENING DAY: :01/9/2020
2. COMPLETION OF SYLLABUS: :04/01/2021
3. CLOSING DAY: :20/01/2021


STAFF


Dept. of Computer Science
Smt. V. G. Womens College,
GULBARGA


ACADEMIC COORDINATOR


PRINCIPAL
Smt. V.G. Degree College for Women
GULBARGA



**H.K.E. SOCIETY'S
SMT. VEERAMMA GANGASIRI DEGREE COLLEGE FOR WOMEN
GULBARGA - 585 102**

NAAC- ACCREDITED "A" GRADE (3rd Cycle)
Affiliated to Akkamahadevi Women's University, Vijayapura

**MONTHWISE TEACHING PLAN 2020 - 2021
(ODD Semester)**



NAME OF THE STAFF: SMT. SAPNA SHERIKAR CLASS: B.SC V SEM

SUB: 5.1 DS USING C

MONTH (WORKING DAYS)	SYLLABUS TO BE COVERED	REMARKS
SEP (26 Days)	Advanced C: Dynamic memory allocation and pointers in C- Declaring and initializing pointers, Pointer & Functions, Pointer & Arrays, Pointer & Strings, Pointer & Structure, Pointer to Pointer. Static and dynamic memory allocation. Memory allocation functions: malloc, calloc, free and realloc. File Management in C: Defining and Opening & Closing File, Input & Output Operations on Files, Random Access to Files, UNIT II : Introduction to Data structures: Definition, Classification of data structures: primitive and non-primitive. Operations on data structures Search: Basic Search Techniques- sequential search, Binary search- Iterative and Recursive methods. Sort- General Background: Definition, different types: Bubble sort, Selection sort, Merge sort, Insertion sort, Quick sort	
OCT (23 Days)	UNIT III :- Recursion: Definition, Recursion in C, Writing Recursive programs - Binomial coefficient, Fibonacci, GCD, towers of Hanoi. Stack - Definition, Array representation of stack, Operations on stack-push and pop, Infix, prefix and postfix notations, Conversion of an arithmetic expression from Infix to postfix, applications of stacks.	
NOV (23 Days)	UNIT IV :- Queue - Definition, Array representation of queue, Types of queue: Simple queue, circular queue, double ended queue (deque) priority queue, operations on all types of Queues. UNIT V :- Linked list - Definition, components of linked list, representation of linked list, advantages and disadvantages of linked list, Arrays versus linked list, Types of linked list: Singly linked list, doubly linked list,	
DEC (25 Days)	Circular linked list and circular doubly linked list. Operations on singly linked list: creation, insertion, deletion, search and display. Implementation of stack and queues using linked list.	

1. OPENING DAY: :01/9/2020
2. COMPLETION OF SYLLABUS: :04/01/2021
3. CLOSING DAY: :20.01.2021

Sapna
STAFF

G.P.
ACADEMIC COORDINATOR

Smt. V.G.
PRINCIPAL

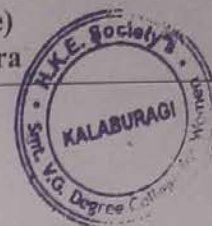
Sapna
Dept. of Computer Science
Smt. V. G. Womens College,
GULBARGA,

Smt. V.G. Degree College for Women
GULBARGA.



H.K.E. SOCIETY'S
SMT. VEERAMMA GANGASIRI DEGREE COLLEGE FOR WOMEN
GULBARGA - 585 102

NAAC- ACCREDITED "A" GRADE (3rd Cycle)
Affiliated to Akkamahadevi Women's University, Vijayapura



MONTHWISE TEACHING PLAN 2020-2021

(Odd Semester)

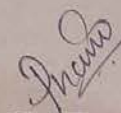
Name of the staff: Smt. Premila S Toran

CLASS: B.Sc V SEM

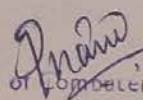
SUB: 5.2 Jav

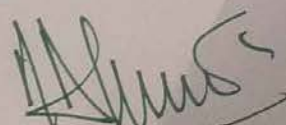
MONTH (WORKING DAYS)	SYLLABUS TO BE COVERED	REMARKS
SEPT (26 Days)	UNIT I: History of Java, features of Java, JDK Environment, Java Virtual Machine, Java Runtime environment. Identifiers and Keywords, data types, variables, Java coding Conventions, expressions, control structures, decision making statements, Arrays and its methods, Garbage collection & finalize() method. UNIT II: Java classes, define class with instance variables and methods, object creation, accessing member of class,	
OCT (23 Days)	argument passing, Constructors, Method overloading, static data, static methods, static blocks, this keyword, Nested & Inner classes, Wrapper Classes, String (String Arrays, String Methods, StringBuffer, StringBuilderr) UNIT III: Inheritance: Super class & subclass, abstract method and classes, method overriding, final keyword, super keyword, down casting and up casting, dynamic method dispatch.	
NOV (23 Days)	Packages and Interfaces: Importing classes, user defined packages, modifiers & access control (Default, public, private, protected, private protected), implementing interfaces, user defined interfaces, Adapter classes, Exploring java.lang package: Wrapper classes, Math class. Exploring java.util package: Vector, Scanner, Date, Calendar, StringTokenizer, and Random. UNIT IV: Exception handling: Types of Exceptions, try, catch, finally, throw, throws keywords, creating your own exception, nested try blocks, multiple catch statements,	
DEC (25 Days)	user defined exceptions. Java Input Output: Java IO package, File, Class Byte/Character Stream, Buffered reader / writer, File reader / writer Print writer File Sequential / Random Serialization and de serialization. Unit V: Multithreading: Multithreading Concept, Java thread model, Main thread, creating a thread, creating multiple threads, using is Alive() and join(), thread priorities, synchronization, Inter-thread communication, suspending, resuming and stopping threads, using multithreading	

1. OPENING DAY: :01/9/2020
2. COMPLETION OF SYLLABUS: :04/01/2021
3. CLOSING DAY: :20/01/2021


STAFF


ACADEMIC COORDINATOR


Dept. of Computer Science
Smt. V. G. Womens College,
GULBARGA,


PRINCIPAL
Smt. V.G. Degree College for Women
GULBARGA



**H.K.E. SOCIETY'S
SMT. VEERAMMA GANGASIRI DEGREE COLLEGE FOR WOMEN
GULBARGA - 585 102**

NAAC- ACCREDITED "A" GRADE (3rd Cycle)
Affiliated to Akkamahadevi Women's University, Vijayapur




MONTHWISE TEACHING PLAN 2020-2021
(Odd Semester)

Name of the staff: Smt. Sapna Sherikar

CLASS: B.A III SEM

SUB: Computer Applications

MONTH (WORKING DAYS)	SYLLABUS TO BE COVERED	REMARKS
SEPT (26 Days)	<p>I. Introduction: Computer, data processing, characteristic features of computers, computer evolution to present form, computer generation. Basic computer organization: Basic operations performed by computers, basic organization of computer system, input units and its functions, output units and its functions. Number systems: Binary number system, conversion from decimal to binary and binary to decimal: integer examples only (eg. converting 35 to binary and vice-versa). Computer Codes: representation of data in binary, commonly used computer codes (BCD, EBCDIC, ASCII, Unicode - few examples of data representation).</p> <p>II. Processor and memory: Types of processors, main memory organization, random access memory, read only memory, cache memory. Secondary storage: secondary storage devices and their needs, commonly used secondary storage devices</p>	
OCT (23 Days)	<p>sequential and direct access storage devices, basic principles of commonly used secondary storage devices (magnetic disk, optical disk, flash drives, memory card, disk array). IO devices: commonly used input output (IO) devices. Software: Types of softwares, system software, application software and users of computer systems.</p> <p>III. Word Processing: Word processing concepts, saving, closing, Opening an existing document, Selecting text, Editing text, Finding and replacing text, printing documents Running an Application, Windows Explorer, Creating and Renaming of files and folders, Control Panels IV. Overview of Networking: An introduction to computer networking, Network types (LAN, WAN, MAN)</p>	
NOV (23 Days)	<p>Network topologies, Modes of data transmission, Forms of data transmission, Transmission channels (media). Fundamentals of Electronic Mail: Basic email facts, Email advantages and disadvantages, Email addresses, passwords, and user-ids, Hypertext Markup Language, Web page creation- An example of HTML page.</p>	


 Academic Coordinator
 Dept. of Computer Science
 Smt. V. G. Womens College,
 GULBARGA,



UNIT V: The Internet: What is the Internet?, Internet History, The Way the Internet Works. The World Wide Web: The World Wide Web defined, commonly used web browsers.

Searching the World Wide Web: Directories, Search Engines, and Metasearch Engines, Search Fundamentals, Search Strategies, the Way a Search Engine Works. Telnet and FTP: Telnet and Remote Login, File Transfer, Computer Viruses
Revision, QP Discussion, Seminars, Lab program explanation

DEC
(25 Days)

1. OPENING DAY: :01/9/2020
2. COMPLETION OF SYLLABUS: :04/01/2021
3. CLOSING DAY: :20/01/2021

Beisal
STAFF

G.Pad
ACADEMIC COORDINATOR

[Signature]
PRINCIPAL

[Signature]
Smt. V. G. Womens Colleg.
GULBARGA.



**H.K.E. SOCIETY'S
SMT. VEERAMMA GANGASIRI DEGREE COLLEGE FOR WOMEN
GULBARGA - 585 102**

NAAC- ACCREDITED "A" GRADE (3rd Cycle)
Affiliated to Akkamahadevi Women's University, Vijayapura



MONTHWISE TEACHING PLAN 2020-2021

(Odd Semester)

Name of the staff: Smt. Shweta Kote CLASS: B.Sc III SEM SUB: Computer Application

MONTH (WORKING DAYS)	SYLLABUS TO BE COVERED	REMARKS
SEPT (26 Days)	<p>I. Introduction: Computer, data processing, characteristic features of computers, computer evolution to present form, computer generation.</p> <p>Basic computer organization: Basic operations performed by computers, basic organization of computer system, input units and its functions, output units and its functions. Number systems: Binary number system, conversion from decimal to binary and binary to decimal: integer examples only (eg. converting 35 to binary and vice-versa).</p> <p>Computer Codes: representation of data in binary, commonly used computer codes (BCD, EBCDIC, ASCII, Unicode - few examples of data representation).</p>	
OCT (23 Days)	<p>II. Processor and memory: Types of processors, main memory organization, random access memory, read only memory, cache memory. Secondary storage: secondary storage devices and their needs, commonly used secondary storage devices, sequential and direct access storage devices, basic principles of commonly used secondary storage devices (magnetic disk, optical disk, flash drives, memory card, disk array). IO devices: commonly used input output (IO) devices.</p> <p>Software: Types of softwares, system software, application software and users of computer systems.</p> <p>III. Word Processing: Word processing concepts, saving, closing,</p>	
NOV (23 Days)	<p>Opening an existing document, Selecting text, Editing text, Finding and replacing text, printing documents Running an Application, Windows Explorer, Creating and Renaming of files and folders, Control Panels IV. Overview of Networking: An introduction to computer networking, Network types (LAN, WAN, MAN), Network topologies, Modes of data transmission, Forms of data transmission, Transmission channels (media). Fundamentals of Electronic Mail: Basic email facts</p>	
DEC (25 Days)	<p>Email advantages and disadvantages, Email addresses, passwords, and user-ids, Hypertext Markup Language, Web page creation- An example of HTML page.</p> <p>UNIT V: The Internet: What is the Internet?, Internet History, The Way the Internet Works. The World Wide Web: The World Wide Web defined, commonly used web browsers. Searching the World Wide Web: Directories, Search Engines, and Metasearch Engines, Search Fundamentals, Search Strategies, the Way a Search Engine Works.</p> <p>Telnet and FTP: Telnet and Remote Login, File Transfer, Computer Viruses</p> <p>Revision, QP Discussion, Seminars, Lab program explanation</p>	

Shweta Kote
Academic Coordinator


Dept. of Computer Science
Smt. V. G. Degree College,
GULBARGA,


1. OPENING DAY: :01/9/2020
2. COMPLETION OF SYLLABUS: :04/01/2021
3. CLOSING DAY: :20/01/2021




STAFF


ACADEMIC COORDINATOR


PRINCIPAL


Dept. of Computer Science
Smt. V. G. Womens College,
GULBARGA,



H.K.E. SOCIETY'S
SMT. VEERAMMA GANGASIRI DEGREE COLLEGE FOR WOMEN

GULBARGA - 585 102

NAAC- ACCREDITED "A" GRADE (3rd Cycle)
 Affiliated to Akkamahadevi Women's University, Vijayapura



MONTHWISE TEACHING PLAN 2020-2021

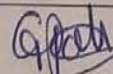
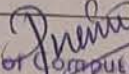
(Odd Semester)

Name of the staff: Smt. Premila S Toran

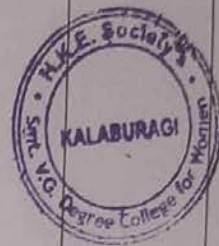
CLASS: B.com &BBM III SEM

SUB: Computer Applications

MONTH (WORKING DAYS)	SYLLABUS TO BE COVERED	REMARKS
SEPT (26 Days)	<p>I. Introduction: Computer, data processing, characteristic features of computers, computer evolution to present form, computer generation. Basic computer organization: Basic operations performed by computers, basic organization of computer system, input units and its functions, output units and its functions. Number systems: Binary number system, conversion from decimal to binary and binary to decimal: integer examples only (eg. converting 35 to binary and vice-versa). Computer Codes: representation of data in binary, commonly used computer codes (BCD, EBCDIC, ASCII, Unicode - few examples of data representation).</p> <p>II. Processor and memory: Types of processors</p>	
OCT (23 Days)	<p>main memory organization, random access memory, read only memory, cache memory. Secondary storage: secondary storage devices and their needs, commonly used secondary storage devices sequential and direct access storage devices, basic principles of commonly used secondary storage devices (magnetic disk, optical disk, flash drives, memory card, disk array). IO devices: commonly used input output (IO) devices. Software: Types of softwares, system software, application software and users of computer systems.</p> <p>III. Word Processing: Word processing concepts, saving, closing, Opening an existing document, Selecting text, Editing text</p>	
NOV (23 Days)	<p>Finding and replacing text, printing documents Running an Application, Windows Explorer, Creating and Renaming of files and folders, Control Panels IV. Overview of Networking: An introduction to computer networking, Network types (LAN, WAN, MAN) Network topologies, Modes of data transmission, Forms of data transmission, Transmission channels (media).</p>	
DEC (25 Days)	<p>Fundamentals of Electronic Mail: Basic email facts, Email advantages and disadvantages, Email addresses, passwords, and user-ids, Hypertext Markup Language, Web page creation- An example of HTML page. UNIT V: The Internet: What is the Internet?, Internet History, The Way the Internet Works. The World Wide Web: The World Wide Web defined, commonly used web browsers.</p>	


 Academic Coordinator

 Dept. of Computer Science
 Smt. V. G. Women's College,
 GULBARGA.

Searching the World Wide Web: Directories, Search Engines, and Metasearch Engines, Search Fundamentals, Search Strategies, the Way a Search Engine Works. Telnet and FTP: Telnet and Remote Login, File Transfer, Computer Viruses Revision, QP Discussion, Seminars, Lab program explanation



- 1. OPENING DAY: :01/9/2020
- 2. COMPLETION OF SYLLABUS: :04/01/2021
- 3. CLOSING DAY: :20/01/2021

STAFF

ACADEMIC COORDINATOR

PRINCIPAL

Dept. of Computer Science
Smt. V. G. Womens College,
GULBARGA.

H.K.E. SOCIETY'S
SMT. VEERAMMA GANGASIRI DEGREE COLLEGE FOR WOMEN,
GULBARGA - 585 102
NAAC- ACCREDITED "A" GRADE (3rd Cycle)
 Affiliated to Akkamahadevi Women's University, Vijayapura



MONTHWISE TEACHING PLAN 2020 – 2021
(Odd Semester)

NAME OF THE STAFF: SMITA PATIL CLASS: B.COM V SEM SUB: COMPUTER APPLICATION-II

MONTH (WORKING DAYS)	SYLLABUS TO BE COVERED	REMARKS
SEP (26 Days)	MS Word: Meaning ,Features, Advantages & Applications of Word Processing, Elements of MS Word Application Window, Toolbars, Entering text, formatting, editing & saving a document Moving & Copying text, Formatting Text & Paragraph, Applying Bullets & Numbering, Find & Replace, Inserting object, Date & Time, Headers & Footers, Auto Correct, Spelling & Grammar Checking. Working with Tables – Inserting, Filing & Formatting a table. Mail Merge – Meaning, Advantages, Creating merged letters.	
OCT (23 Days)	Advanced MS Excel : Formulas , Functions (Mathematical, Logical, Statistical, Financial), Graphs (Line, Bar, Area, Pie etc), Data sorting, filtering & Grouping MS Access: Introduction, Data, information, Database file, Record, Meaning, Features, Advantages & Disadvantages & Application of MS Access	
NOV (23 Days)	. Parts of MS Access Window – Tables, Forms, Queries & Reports – Data Validity Checks MS PowerPoint: Introduction, Meaning, Features, advantages & Application of MS Power Point .Parts of MS PowerPoint window, menus & toolbars, Creating through auto content wizard,	
DEC (25 Days)	Design templates & Blank Presentation, Slide show – Saving, Opening & Closing a Presentation, Inserting, Editing & Deleting slides, Types of Slides, Slide layouts, Slide views, Insert and modify tables and charts, Add sound and video to a slide presentation, insert clipart images and shapes to slides, Insert and edit animations and slide transitions. E-Commerce: Overview of E-Commerce, Meaning, E-Commerce based activities, Goals of E-Commerce Technical Components of E-Commerce,	
JAN (19 Days)	Functions, Advantages & Disadvantages of E-Commerce, Scope of E-Commerce, E Commerce Applications Business Models: B2B, B2C, C2C & C2B.	

1. OPENING DAY: :01/9/2020
2. COMPLETION OF SYLLABUS: :04/01/2021
3. CLOSING DAY: :20/01/2021

Smita Patil
STAFF

[Signature]
ACADEMIC COORDINATOR

[Signature]
 Dept. of Computer Science
 Smt. V. G. Womens College,
 GULBARGA.

[Signature]
PRINCIPAL
 Smt. V.G. Degree College for Women
 GULBARGA.



H.K.E. SOCIETY'S
SMT. VEERAMMA GANGASIRI DEGREE COLLEGE FOR WOMEN GULBARGA - 585
102

NAAC- ACCREDITED "A" GRADE (3rd Cycle)
Affiliated to Karnataka State Akkamahadevi Women's
university, vijayapura



MONTHWISE TEACHING PLAN-2020-2021
(ODD SEMESTER)



Name of the staff: Miss. Smita S Patil

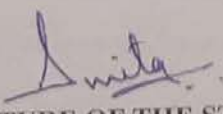
Class: B.com V Sem

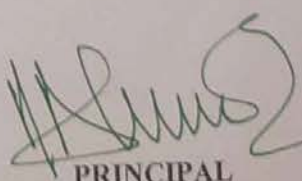
Sub: MS-Office and E-Commerce

Month (Working Days)	Syllabus to be covered	Remarks
October (09 days)	MS Word: Meaning ,Features, Advantages & Applications of Word Processing, Elements of MS Word Application Window, Toolbars, Entering text, formatting, editing & saving a document Moving & Copying text, Formatting Text & Paragraph, Applying Bullets & Numbering, Find & Replace, Inserting object, Date & Time, Headers & Footers, Auto Correct, Spelling & Grammar Checking, Working with Tables – Inserting, Filing & Formatting a table. Mail Merge – Meaning, Advantages, Creating merged letters.	
November (22 days)	Advanced MS Excel : Formulas , Functions (Mathematical, Logical, Statistical, Financial), Graphs (Line, Bar, Area, Pie etc), Data sorting, filtering & Grouping, 08 3 MS Access: Introduction, Data, information, Database file, Record, Fields, Meaning, Features,	
December (26 days)	Advantages & Disadvantages & Application of MS Access. Parts of MS Access Window – Tables, Forms, Queries & Reports – Data Validity Checks 08 4 MS PowerPoint: Introduction, Meaning, Features, advantages & Application of MS PowerPoint. Parts of MS PowerPoint window, menus & toolbars, Creating through auto content wizard, Design templates & Blank Presentation, Slide show – Saving, Opening & Closing a Presentation, Inserting, Editing & Deleting slides, Types of Slides, Slide layouts,	
January (24 days)	Slide views, Insert and modify tables and charts, Add sound and video to a slide presentation, insert clipart images and shapes to slides, Insert and edit animations and slide transitions 10 5 E-Commerce: Overview of E-Commerce, Meaning, E-Commerce based activities,	
February (09 days)	Goals of E-Commerce Technical Components of E-Commerce, Functions, Advantages & Disadvantages of E-Commerce, Scope of E-Commerce, ECommerce Applications Business Models : B2B, B2C, C2C & C2B	

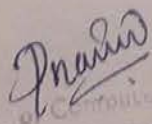
- Note:** 1. Opening day :
2. Commencement of Class :
3. Completion of Syllabus :
4. Closing Day :


ACADEMIC COORDINATOR


SIGNATURE OF THE STAFF


PRINCIPAL

PRINCIPAL
Smt. V.G. Degree College for Women
GULBARGA.


Dept. of Computer Science
Smt. V. G. Womens College,
GULBARGA,



H.K.E Society's
Smt. Veeramma Gangasiri College for Women Gulbarga
Affiliated to K. S. A. M. W. U. Vijayapur-NAAC Accredited 'A' Grade



MONTH WISE TEACHING PLAN 2020-21

DD
(Semester)

Staff: Dr. R. B. Konda Class: B Sc I Sem Sub: Electronics Paper: 1.1 Electronic Circuits

Month	Syllabus to be covered	Remarks
Sept. 4 th 2020 (21 days)	<p>UNIT-I: Transient Analysis of RC and RL Circuits: 8 Hrs</p> <p>Series RC circuit excited by DC source charging and discharging of a capacitor (derivations), graphical representation. RC time constant and its importance.</p> <p>Series RL circuit excited by DC source Growth and decay of current (derivations), graphical representation. RL time constant and its importance.</p> <p>Series RC, RL and RLC circuits excited by AC source: Impedance and phase angle (derivation) study of phasor diagram.</p> <p>Series and parallel RLC circuit: Definition of Resonance, condition of resonance, resonant frequency, bandwidth and quality factor (derivation). Significance of quality factor.</p>	
Oct (22 days)	<p>UNIT-II: Circuit analysis:</p> <p>Current and voltage source: Ideal and real voltage and current source. DC resistive circuits: Voltage and current divider theorems open and short circuits, Kirchhoff's laws, mesh analysis and node voltage method.</p> <p>UNIT-III: Network Theorems: Thevenin theorem Norton's theorem, Superposition theorem, maximum power transfer theorem, reciprocity theorem and Milliman's theorem.</p>	
Nov (17 Days)	<p>UNIT-IV: Semiconductor devices:</p> <p>Construction, working, Characteristics and applications: P-N junction diode, Zener diode, Varactor diode, Transistor- NPN/PNP-working CB,CE and CC mode, current gain - alpha, beta, gamma, relations-input and output characteristics of CB and CE configuration leaking current. Field Effect Transistor.</p> <p>Unit - V: Opto-Semiconductor devices:</p> <p>Construction, working, characteristics and applications of - LED, Photo diode, Photo transistor, Opto-couplers, LDR, Solar Cell, Laser diode, LCD and Seven segment LED display.</p>	
Dec (23 days)	<p>UNIT - VI: Power Semiconductor devices:</p> <p>Construction, working, characteristics and applications of -SCR, DIAC, TRIAC, UJT, MOSFET and IGBT.</p> <p>UNIT - VII: Number Systems:</p> <p>Decimal, binary, octal and hexadecimal - their conversion. BCD numbers (8421), Arithmetic operations in binary, hexadecimal and BCD addition. Sign magnitude conversion, 1's and 2's complements -2's complement subtraction, Signed number arithmetic-addition.</p>	

Staff Signature

HOD

Principal
PRINCIPAL

Department of Electronics
Smt. V.G.D. College for Women
KALABURAGI.

Smt. V.G. Degree College for Women,
GULBARGA.

Academic
Coordinator



H. K. E. Society's
Smt. V. G. Degree College for Women,
Kalaburagi
Affiliated to K. S. A. M. W. U. Vijayapura-NAAC Accredited "A" Grade

MONTHWISE TEACHING PLAN 2020-21

(ODD SEMESTER)

Name of the Staff: Prof. Y N Ravindra Class: B Sc V Sem(5.1) Subject: Electronics



Month (working Days)	Syllabus to be covered	Remarks
Sept. 4 th 2020 (21 Days)	<p>UNIT I: Transmission lines: Type of transmission lines, Distributed parameters of T-line, T- line equation, Characteristics Impedance, Propagation Constant, Frequency and Phase distortion. Condition for distortion less T- line. Standing waves and Reflection co-efficient.</p> <p>UNIT II: Antenna: Definition of Antenna, Working of antenna, Antenna Parameters, Types of Antenna. Dipole antenna, Power radiated by dipole antenna and Yagi antenna.</p>	
Oct (22 Days)	<p>UNIT -III: Modulation Techniques: Amplitude Modulation: Need for modulation, Expression for AM waves, modulation index, Frequency spectrum, Power relations. AM modulators; Base, Emitter and Collector Modulator using Transistor. Various transmission schemes. Balanced modulator For DSB-SC. Block diagram and description of AM transmitter. Problems</p> <p>UNIT-IV: Frequency Modulation(FM) Definition of FM, Expression for FM waves, Frequency spectrum of FM ,Modulation Index. FM Modulator: Varactor diode modulator and FET reactance modulator. Comparison of AM and FM system.Problems</p>	
Nov (17 Days)	<p>UNIT - V: AM Demodulation: Definition of AM demodulation, Square Law diode detector, Linear diode detector and AGC.</p> <p>UNIT - VI: FM Demodulation: Definition of FM demodulation, Single slope detector, Balanced Slope detector , Foster-Seeley Discriminator and Ratio detector.</p>	
Dec (23 Days)	<p>UNIT - VII: Radio Receivers: Functions of Radio Receiver, Receiver Characteristics: AM TRF receiver, AM and FM Super Heterodyne Receiver.</p>	

[Signature]
STAFF

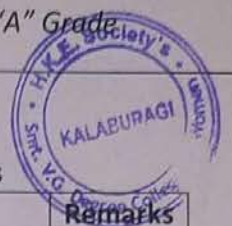
[Signature]
COORDINATOR
Department of Electronics
Smt. V.G.D. College for Women
KALABURAGI.

[Signature]
PRINCIPAL
Smt. V.G. Degree College for Women
GUL BARGA.

[Signature]
Academic Coordinator



H. K. E. Society's
 Smt. V. G. Degree College for Women,
 Kalaburagi
 Affiliated to K. S. A. M. W. U. Vijayapura-NAAC Accredited "A" Grade



MONTHWISE TEACHING PLAN 2020-21

(ODD SEMESTER)

Name of the Staff: Dr. R. B. Konda Class: B Sc V Sem(5.2) Subject: Electronics

Syllabus to be covered

Remarks

Month (working Days)	Syllabus to be covered	Remarks
Sept. 4 th 2020 (21 Days)	<p>UNIT - I: D to A converter Data converters- D to A converters- Binary weighted resistors network, R-2R ladder network and Performance Parameter of DAC.</p> <p>UNIT-II :A to D converter Counter type ADC, Dual slope integrating type, Successive approximation method and Flash converters. Performance Parameter of ADC</p>	
Oct (22 Days)	<p>UNIT - III: Memory device: Introduction to Primary and Secondary Memories. RAM – Static and Dynamic. ROM, EPROM, EEPROM, CCDs, RAM array diode matrix.</p> <p>UNIT - IV: 8085 Microprocessor: 8085-based Microcomputer System: The 8085 MPU, Architecture and Pin configuration, Instruction cycle and timing diagram.</p>	
Nov (17 Days)	<p>UNIT-V: Instruction Set of 8085: Introduction, Instruction and data format, Addressing modes, Status flags, 8085 instruction; Data transfer group, Arithmetic group, Logical group, Branch group, Stack group, I/O and Machine control group.</p>	
Dec (23 Days)	<p>UNIT - VI: Programming 8085: Introduction, Assembly language and High level language, Stacks , Sub routines, Examples Assembly language programs.</p> <p>UNIT - VII: Peripheral and Their Interfacing 8085: Introduction, Address space portioning, Memory and I/O Interfacing, Data transfer schemes: Interrupts of 8085</p>	

[Signature]
 STAFF

[Signature]
 CO-ORDINATOR
 Department of Electronics
 Smt. V.G.D. College for Women
 KALABURAGI.

[Signature]
 PRINCIPAL
 Smt. V.G. Degree College for Women
 GULBARGA.

[Signature]
 Academic
 Coordinator



H. K. E. Society's
Smt. V. G. Degree College for Women,
Kalaburagi
Affiliated to A. M. W. U. Vijayapura-NAAC Accredited "A" Grade



MONTHWISE TEACHING PLAN 2020-21

(ODD SEMESTER)

Name of the Staff: Dr. Veena P.H.

Class: B.Sc V Sem

Subject: Maths

Paper: 5.1, 5.2, 5.3

Month (working Days)	Syllabus to be covered	Remarks
September (25 Days)	Introduction about new syllabus - containing 3 papers is given 5.1: III unit - Laplace transforms 5.2: III unit - Improper integrals 5.3: II unit - Total Diff eqns	
October (23 Days)	5.1: L.T continued 5.2: Cond ⁿ of exactness - TDE - continued 5.3: Reln bet ⁿ Beta & Gamma funs continued	
November (23 Days)	5.1: Fouries. series - I unit 5.2: PDE started - Formation & sol ⁿ of PDE 5.3: Vector Analysis - III unit vector identities	
December (15 Days)	5.1: III unit: Linear transformations, 5.2: $f(p, q) = 0$ - Charpits method I unit started 5.3: Greens, Gauss and Stokes thm and problems there on - unit I started	
Jan (16 Days)	5.1 - Nullity-Rank Thm in L.T 5.2 - I. unit - LDE continued - of second order and completed 5.3 - Bessel fun $J_n(x)$ - in unit I - series sol ⁿ and completed	

STAFF & HOD

CO-ORDINATOR

PRINCIPAL

Dr. Veena P.H.
M.Sc., Ph.D.
Professor & H.O.D.
Dept. of Mathematics,
Smt. V.G. Women's Coll^y,
GULBARGA-585102

Smt. V.G. Degree College for Women
GULBARGA



H. K. E. Society's
Smt. V. G. Degree College for Women,
Kalaburagi
Affiliated to A. M. W. U. Vijayapura-NAAC Accredited "A" Grade

MONTHWISE TEACHING PLAN 2020-21

(ODD SEMESTER)

Name of the Staff: **AMBIKA PATIL**

Class: B.Sc I Sem

Subject: math's

Paper: 1.1

Month (working Days)	Syllabus to be covered	Remarks
September (25 Days)	Bridge course classes conducted. I. Complex numbers : \rightarrow Introduction and examples.	
October (23 Days)	polar form, De Moivre's theorem and problems. II. matrices : Introduction, Types & rank of matrix.	
November (23 Days)	matrices : \rightarrow Rank, by echelon & normal form. System homogeneous & non-homogeneous equations. Eigen values & Eigen vectors - Cayley Hamilton theorem.	
December (15 Days)	<u>Theory of Equations</u> : Relation b/w roots, Synthetic division, Transformation of equations, Cardan's method, Descartes's method.	
Jan (16 Days)	Revision of Complex number, and matrices.	

STAFF 40D

CO-ORDINATOR

PRINCIPAL

Dr. Veena P.H.

M.Sc., Ph.D.

Professor & H.O.D.

Dept. of Mathematics

Smt. V.G. Women's Co.

GULBARGA-585102

Smt. V.G. Degree College for Women
GULBARGA.



H. K. E. Society's
Smt. V. G. Degree College for Women,
Kalaburagi
Affiliated to A. M. W. U. Vijayapura-NAAC Accredited "A" Grade



MONTHWISE TEACHING PLAN 2020-21

(ODD SEMESTER)

Name of the Staff: Smt. Ambika Patil.

Class: B.Sc III Sem

Subject: Math's

Paper: 3.1

Month (working Days)	Syllabus to be covered	Remarks
September (25 Days)	Introduction to syllabus, I. Plane Trigonometry: Substitution of trigonometric func ⁿ by C+IS method. II. Integral Calculus.	
October (23 Days)	I. Integral Calculus:- Problems on definite Integrals. II. Polar Coordinates	
November (23 Days)	III. Polar coordinates - continuation of polar coordinates. IV unit: Sequences, & V. Infinite Series	
December (15 Days)	Infinite series: Test of convergence by Raabe's test, alternating series Revision of Integral Calculus.	
Jan (16 Days)	Revision of Infinite series, Polar Co-ordinates.	

STAFF

Dr. Veena P.H.

M.Sc, Ph.D.

Professor & H.O.D.

Dept. of Mathematics,

Smt. V.G. Women's College,

GULBARGA-585102

CO-ORDINATOR

PRINCIPAL

PRINCIPAL

Smt. V.G. Degree College for Women,
GULBARGA.



H. K. E. Society's
Smt. V. G. Degree College for Women,
Kalaburagi
Affiliated to A. M. W. U. Vijayapura-NAAC Accredited "A" Grade



MONTHWISE TEACHING PLAN 2020-21

(**ODD SEMESTER**)

Name of the Staff: **Dr. FARZANA JABEEN**

Class: **B.Sc I Sem**

Subject: **Zoology** Paper: **Biology of Non-chordata. (Paper 1.1)**

Month (working Days)	Syllabus to be covered	Remarks
SEP (25 Days)	—	
October (23 Days)	Bridge course Biology of Nonchordata - Introduction <u>Phylum Coelenterata</u> - General characters & classification	
November (23 Days)	<u>Phylum Coelenterata</u> contd - Morphology of hydra, Life cycle of hydra. <u>Phylum Arthropoda</u> : General characters & classification. <u>Prawn</u> : Morphology, Appendages, Digestive system, Nervous system. Mouth parts of cockroach & Butterfly.	
December (15 Days)	<u>Phylum Mollusca</u> : General characters & classification. <u>Unio</u> : Morphology, digestive & nervous system. <u>Phylum Echinodermata</u> : General characters & classification Larval forms of echinodermata.	
Jan (16 Days)	— Revision —	

Farzana Jabeen
STAFF

Farzana Jabeen
CO-ORDINATOR
Head of Department of Zoology
Smt. V.G. Degree College for Women
KALABURAGI-585102

Farzana Jabeen
PRINCIPAL
Smt. V.G. Degree College for Women,
KALABURAGI.



H. K. E. Society's
Smt. V. G. Degree College for Women,
Kalaburagi
Affiliated to A. M. W. U. Vijayapura-NAAC Accredited "A" Grade



MONTHWISE TEACHING PLAN 2020-21

(Ist SEMESTER)

Name of the Staff: DR. FARZANA JABEEN

Class: B.Sc^{III} Sem

Subject: Zoology Paper: Applied Zoology (Paper 3-1)

Month (working Days)	Syllabus to be covered	Remarks
SEP (25 Days)	<u>Poultry</u> Aim & scope of poultry. Indigenous & exotic breeds of fowls. Poultry farm management - Deep litter system & Cage system.	
October (23 Days)	<u>Contd. Poultry</u> : Rearing of layer birds in poultry - Chicks, growers & adult layers. Nutritive value of egg & poultry meat. Poultry diseases.	
November (23 Days)	<u>Vermiculture</u> : Concept & importance Procedure of vermiculture Small scale vermiculture Large scale vermiculture.	
December (15 Days)	<u>Contd. Vermiculture</u> . Role of earthworms in soil fertility. <u>Pearl culture</u> : Process of pearl formation. Microscopic structure of shell.	
Jan (16 Days)	- Revision -	

STAFF

CO-ORDINATOR
Head of Department of Zoology
Smt. V.G. Degree College for Women
KALABURAGI-585102

PRINCIPAL
Smt. V.G. Degree College for Women
KALABURAGI.



H. K. E. Society's
Smt. V. G. Degree College for Women,
Kalaburagi
Affiliated to A. M. W. U. Vijayapura-NAAC Accredited "A" Grade



MONTHWISE TEACHING PLAN 2020-21

(~~OLD~~ SEMESTER)

Name of the Staff: DR. FARJANA ZABEEN

Class: B.Sc V Sem

Subject: Zoology Paper: 5.2 (Animal behaviour, Evolution & Palaeontology)

Month (working Days)	Syllabus to be covered	Remarks
SEP (25 Days)	<u>Evolution</u> Introduction Theories of organic evolution: Lamarckism & Neo Lamarckism	
October (23 Days)	Darwin Wallace theory of Natural Selection Synthetic theory of evolution - Mutation, gene flow, genetic drift, natural selection, isolation.	
November (23 Days)	Palaeontology. Fossils & Fossilization. Types of fossils, Significance of fossils	
December (15 Days)	Origin & evolution of man.	
Jan (16 Days)	Revision	

Staff

CO-ORDINATOR
Head of Department of Zoology
Smt. V.G. Degree College for Women
KALABURAGI-586102

PRINCIPAL
Smt. V.G. Degree College for Women,
KALABURAGI.



H. K. E. Society's
Smt. V. G. Degree College for Women,
Kalaburagi
Affiliated to A. M. W. U. Vijayapura-NAAC Accredited "A" Grade

MONTHWISE TEACHING PLAN 2020-21

(Odd. SEMESTER)

Name of the Staff: Veeresh Kumar Patel
Class: B.Sc I Sem I Subject: Zoology Paper: Z1 Biology of nonchordates.

Month (working Days)	Syllabus to be covered	Remarks
SEP (25 Days)	-	
October (23 Days)	<u>Bridge Course:</u> Introduction to zoology, Branches of zoology, Animal classification principles, physiology & introduction to genetics.	
November (23 Days)	<u>Unit I:</u> Introduction to non-chordates. Principles of animal classification: Five Kingdom classification, concept of species, Animal nomenclature, phylum protozoa, chordates, life history of plamodiomonans.	
December (15 Days)	Phylum - <u>nematoda</u> , general characters with suitable examples, parasitic adaptations of Helminthes.	
Jan (16 Days)	<u>Unit V:</u> <u>Annelida:</u> General characters of phylum & classification up to classes with distinctive characters & suitable ex. Type Study of Earth worms (Digestive, nervous).	

V Patel
STAFF

V Patel
CO-ORDINATOR

V Patel
Head of Department of Zoology,
Smt. V.G. Degree College for Women,
KALABURAGI-585102

H. Kumar
PRINCIPAL
PRINCIPAL
Smt. V.G. Degree College for Women,
KALABURAGI.



H. K. E. Society's
Smt. V. G. Degree College for Women,
Kalaburagi
Affiliated to A. M. W. U. Vijayapura-NAAC Accredited "A" Grade



MONTHWISE TEACHING PLAN 2020-21

Name of the Staff: veeresh Kumar Patil (odd SEMESTER)

Class: B.Sc. Sem II Subject: Zoology Paper: Applied zoology & histology.

Month (working Days)	Syllabus to be covered	Remarks
SEP (25 Days)	Unit III Sericulture :- concept of sericulture, introduction, scope of sericulture, monoculture :- mulberry plants, morus elba,	
October (23 Days)	Morus cadifolia, morus indica, morus nigra, morphology & life cycle of Bombyx mori, silkworm rearing & reeling, non mulberry silks, etc.	
November (23 Days)	Muga & Tassar silks, Note on silkworm diseases, protozoan disease, pebrine viral disease, Grasserie, Fungal disease & Bacterial disease, symptoms, remedy & control.	
December (15 Days)	Unit IV Dairy Farming :- Importance, scope of dairy farm animals, Breeds of cattle - Laxo, Gir, sindhi, Jersey, Holstein, Breeds of Buffalo, Murrah, Surti, Nagpuri.	
Jan (16 Days)	Breeding programme to improve local breeds of cattle. Short test & Examining the students progress.	

veeresh
STAFF

G.Pat
CO-ORDINATOR

H.K.E.
PRINCIPAL

G.Pat
Head of Department of Zoology
Smt. V.G. Degree College for Women
KALABURAGI-586102

PRINCIPAL
Smt. V.G. Degree College for Women,
KALABURAGI



H. K. E. Society's
Smt. V. G. Degree College for Women,
Kalaburagi
Affiliated to A. M. W. U. Vijayapura-NAAC Accredited "A" Grade



MONTHWISE TEACHING PLAN 2020-21

(^{1. odd} SEMESTER)

Name of the Staff: veeresh Kumar patil

Class: B.Sc V Sem

Subject: Zoology

Paper: S.2 Animal Behaviour, evolution & paleontology.

Month (working Days)	Syllabus to be covered	Remarks
SEP (25 Days)	<u>Unit IV</u> memory & colouration: Definition, type of memory, protective aggressive & warning memory, with suitable examples.	
October (23 Days)	colouration - types of colouration, Aggressive, warning colouration, protective colouration, Advantages of colouration	
November (23 Days)	<u>Unit VI</u> speciation: concept of species - sympatric allopatric speciation, with examples.	
December (15 Days)	Evolution :- Introduction to evolution - micro evolution, detailed study on micro evolution, process of examples.	
Jan (16 Days)	macroevolution - Introduction, process with suitable examples, Revision & conducting Test.	

vpatil
STAFF

G. Patil
CO-ORDINATOR

Head of Department of Zoology
Smt. V.G. Degree College for Women
KALABURAGI-586102

H. K. E. Society's
PRINCIPAL

PRINCIPAL
Smt. V.G. Degree College for Women,
KALABURAGI



H. K. E. Society's
Smt. V. G. Degree College for Women,
Kalaburagi
Affiliated to A. M. W. U. Vijayapura-NAAC Accredited "A"



MONTHWISE TEACHING PLAN 2020-21

Name of the Staff: *Dr. Chandrakala Pali*
Class: B.Sc II Sem Subject: Zoology Paper: 3.1 paper

Month (working Days)	Syllabus to be covered	Remarks
SEP (25 Days)	<ul style="list-style-type: none">- Caste system in Honeybees, what is apiculture and its importance.- Different species and races of honeybees- Mouth parts and sting of honeybee -	
October (23 Days)	<ul style="list-style-type: none">- Morphology of worker bee.- Modern Method of apiculture- Chemical Composition of honeybee, honeywax, Bee Venom, Bee Pollination.	
November (23 Days)	<ul style="list-style-type: none">- Honeybee - diseases - Bacterial, Protozoan, Viral.- Revision -	
December (15 Days)		
Jan (16 Days)		

CPali
STAFF

CPali
CO-ORDINATOR
Head of Department of Zoology
Smt. V. G. Degree College for Women
KALABURAGI-586102

CPali
PRINCIPAL
PRINCIPAL
Smt. V.G. Degree College for Women,
KALABURAGI.



H. K. E. Society's
Smt. V. G. Degree College for Women,
Kalaburagi
Affiliated to A. M. W. U. Vijayapura-NAAC Accredited "A" Grade



MONTHWISE TEACHING PLAN 2020-21

Name of the Staff: Dr. Chandrakala Patil [Odd SEMESTER]
Class: B.Sc V Sem
Subject: Zoology Paper: 512

Month (working Days)	Syllabus to be covered	Remarks
SEP (25 Days)	- Social organization in Honeybee, Caste System in honeybees Queen, drones and workers, Communication in honeybee. - Social organization in Termites, Caste System in in <u>Malagates</u>	
October (23 Days)	- Parental care in Fishes - Different types of Nest Constructed by fishes. Parental care in Amphibians - different types of nest Constructed by amphibians. - Nesting behaviour in Birds	
November (23 Days)	- Biological clock - origin & various types of rhythms, Chronobiology. - Innate behaviour - Kinesis, Taxes, Reflexes, Instincts, Motivation, Learned behaviour	
December (15 Days)	- Habituation, Imprinting, Conditioned reflex, Insight learning, - Migration in Birds - Types of migration with examples. Courtship behaviour in Birds & Scorpion.	
Jan (16 Days)	- Migration in fishes - Types of migration with examples - - Revision of above chapters - QP. discussion	

Dr. Chandrakala Patil
STAFF

Dr. Chandrakala Patil
CO-ORDINATOR,
Head of Department of Zoology
Smt. V. G. Degree College for Women
KALABURAGI-585102

Dr. Chandrakala Patil
PRINCIPAL
Smt. V. G. Degree College for Women,
KALABURAGI.



H. K. E. Society's
Smt. V. G. Degree College for Women,
Kalaburagi
Affiliated to A. M. W. U. Vijayapura-NAAC Accredited "A" Grade



MONTHWISE TEACHING PLAN 2020-21
(EVEN SEMESTER)

Name of the Staff: Dr. Chandrakala

Class: B.Sc I Sem

Subject: Zoology Paper: 1.1

Month (working Days)	Syllabus to be covered	Remarks
SEP (25 Days)	—	
October (23 Days)	Bridge Course - 12 th -20 th October Cell-division - Mitosis, Meiosis, Cell cycle. Reproduction - Asexual and Sexual by Budding, fragmentation, fission. Zygote	
November (23 Days)	Phylum Porifera - General characters and classification upto class with suitable examples. Histology of sponges, Canal system - Ascon type, Sycon type, Leucon	
December (15 Days)	Phylum: - Platyhelminthes - General characters of Phylum and classification upto classes with suitable examples -	
Jan (16 Days)	— Revision —	

Dr. Chandrakala
STAFF

Dr. Chandrakala
CO-ORDINATOR
Head of Department of Zoology
Smt. V.G. Degree College for Women
KALABURAGI-585102

Dr. Chandrakala
PRINCIPAL
PRINCIPAL
Smt. V.G. Degree College for Women,
KALABURAGI



H. K. E. Society's
Smt. V. G. Degree College for Women,
Kalaburagi
Affiliated to A. M. W. U. Vijayapura-NAAC Accredited "A" Grade



MONTHWISE TEACHING PLAN 2020-21

(~~EVIN~~ SEMESTER)

Name of the Staff: Dr. Neelakanth S. Wall. *edg*

Class: B.Sc III Sem Subject: Zoology Paper: 3.1 (Applied Zoology)

Month (working Days)	Syllabus to be covered	Remarks
SEP (25 Days)	UNIT I V; Aquaculture :.Principles, Scope techniques of culturing economically Important fishes ,	
October (23 Days)	Brief account of Indian Major carps;Calta, labeoRohita, Mugil, Anabusa.	
November (23 Days)	Note on fish byproducts;- Fish live roil, Fish meat, Fish skin, Fish Fertilizer.	
December (25 Days)	Fish diseases; – Bacterial disease, Fin and tail Rot, viral disease. Infectious pancreatic necrosis of Trout, Fungal disease, (Branchiomyosis), protozoan disease, whirling disease, Symptoms remedy and control.	
Jan (16 Days)	Histological study of following Organs ; Liver, Pancreas, stomach	

Neelakanth S. Wall.
STAFF

G.Pada
CO-ORDINATOR
Head of Department of Zoology
Smt. V.G. Degree College for Women
KALABURAGI-585102

H.K.S.
PRINCIPAL
PRINCIPAL
Smt. V.G. Degree College for Women,
KALABURAGI



H. K. E. Society's
Smt. V. G. Degree College for Women,
Kalaburagi
Affiliated to A. M. W. U. Vijayapura-NAAC Accredited "A" Grade



MONTHWISE TEACHING PLAN 2020-21

(~~Even~~ SEMESTER)

Name of the Staff: Dr. Neelakanth S. Wall. *o.d.g*

Class: B.Sc V Sem (5.1).

Subject: Zoology Paper: 5.1 Genetics

Month (working Days)	Syllabus to be covered	Remarks
SEP (24 Days)	UNIT I ;Introduction: Branches of genetics, heredity and variation. Practical applications of genetics. Genetics Terminology. Chromosomes: Chromosome number, size chromosomal morphology, and types, structure and models. Heterochromatin and euchromatin. Giant chromosomes-polytene and lampbrush. UNIT II; Nucleic Acids, and Protein Biosynthesis: Identification of genetic material — Griffith's experiment. Chemistry of nucleic acids, structure of DNA, Watson and crick DNA model, replication of DNA. Forms of DNA, Types of RNA. Genetic code, properties of genetic code, wobble hypothesis, mechanism of protein biosynthesis	
October (23 Days)	UNIT III; Interaction of Genes: Supplementary factors-9: 3: 3: 1 Example: Comb pattern in fowls, Dominant epistasis-13: 3: plumage colour in Leghorn and Wyandotte, Dominant epistasis-12:3:1 Coat colour in dogs, Recessive epistasis-9: 3: 4 - Coat colour in mouse, Complementary factors -9 : 7, flower colour in sweet peas, Multiple factors / polygenic inheritance — Skin Colour in Man, Lethal gene-Coat colour in mice. UNIT IV; Multiple Alleles: Characteristics of Multiple Alleles, Inheritance of ABO blood groups in human, Rh -factor, Isoalleles, Pseudoalleles and position effect.	
November (23 Days)	Linkage and Crossing Over: Linkage: Theories of linkage, Linkage In Drosophila, linkage in man, Crossing over: Mechanism of meiotic Crossing Over, Types of Crossing over, Cytological detection of crossing over (Stern's Experiment on Drosophila) significance of crossing over UNIT V; Sex Determination: Chromosomal mechanism of sex determination, Genic balance theory, Gynandromorphy and intersexes. Sex Linked Inheritance: Sex linked inheritance in Drosophila Hemophilia and colour blindness in mail. Sex linkage in poultry, Y linked genes.	
December (25 Days)	UNIT VI; Mutations: Chromosomal aberrations- Human Diseases: Klinefelter's Syndrome, Turner's syndrome, Edwards Syndrome, Patau syndrome, Chi- du—chart syndrome and Down's syndrome (Mongolism). Human Genetics and Eugenics: Common human genetic disorders in man inborn errors of metabolism — Albinism, Phenylketonuria, Alkaptonuria, Sickle cell anaemia, Thalassemia, Huntington's chorea, Eugenics	
Jan (16 Days)	UNIT VII ; Genetic Engineering and Biotechnology: Recombinant DNA technology, (Isolation of Gene, Endonucleases, Palindrome Sequence, Cloning Vectors-Plasmids, Gene Cloning); production of insulin by rDNA technology PCR DNA finger printing and DNA vaccines. Applications of genetic engineering medicine, food technology and agriculture. Useful and harmful effect of biotechnology.	

Maah
STAFF

G.P. *G.P.*
Head of Department of Zoology
Smt. V.G. Degree College for Women
KALABURAGI-585102

H. S. S.
PRINCIPAL
PRINCIPAL
Smt. V.G. Degree College for Women,
KALABURAGI



H.K.E. SOCIETY'S
SMT. VEERAMMA GANGASIRI DEGREE COLLEGE
FOR WOMEN, GULBARGA - 585 102
NAAC- ACCREDITED "A" GRADE (3rd Cycle)
Affiliated to Karnataka State Akkamahadevi Women's
University, Vijayapura



MONTHWISE TEACHING PLAN 2020-21

(EVEN SEMESTER)

Name of the Staff: Dr. Shivaraj Mulagi Class: B.Sc. IVth Sem. I Paper : 4-1 Sub: Chemistry

Month (Working Days)	Syllabus to be covered	Remarks
May	<u>Unit II:- d-Block Elements:-</u> General characteristics of transition elements with respect to Electronic configurations, Atomic size, Ionisation potential, Variable oxidation states, Magnetic property, Colour and Spectra. Explanation with respect to 3d series Elements.	
June	<u>f-Block Elements:- Lanthanide series:-</u> Electronic configuration, oxidation states, Magnetic property, Colour & Spectra, Lanthanide contraction. Separation of Lanthanides by Ion-exchange process.	
July	<u>Unit I:- Nuclear Chemistry:-</u> Nuclear Stability, n/p ratio and Bonding Energy. Radioactive decay series, Radioactive equilibrium, Artificial transmutation of Elements using protons, neutrons and their relative efficiency as projectiles.	
August	Induced radioactivity, Radioactive isotopes, & their uses in studying a mechanism of reactions.	

- Note:
1. Opening day
 2. Commencement of classes
 3. Completion of syllabus
 4. Closing day

Staff

HEAD

CHEMISTRY DEPARTMENT
SMT VG COLLEGE FOR WOMEN
GULBARGA-585 102

Coordinator
ಶಾಖಾಧಿಕಾರಿ
ಶಿವರಾಜ ಮಲಗಿ, ಗಂಗಸಿರಿ ಮಹಿಳಾ
ವಿಶ್ವವಿದ್ಯಾಲಯ, ಕುಲ್ಬರ್ಗಾ

Signature of the Staff



H.K.E. SOCIETY'S
SMT. VEERAMMA GANGASIRI DEGREE COLLEGE
FOR WOMEN, GULBARGA - 585 102
 NAAC- ACCREDITED "A" GRADE (3rd Cycle)
 Affiliated to Karnataka State Akkamahadevi Women's
 University, Vijayapura



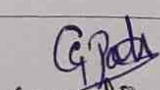
MONTHWISE TEACHING PLAN 2020-21

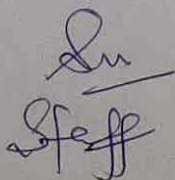
(EVEN SEMESTER)

Name of the Staff: Dr. Shivaraj Mulagi Class: B.Sc. VI Sem. Paper : 6-1 Sub: Chemistry

Month (Working Days)	Syllabus to be covered	Remarks
May	<u>Unit III: - Amines: - Classification and Nomenclature of Amines. Stereochemistry of Amine N. Separation of Amine mix. - Hinsberg method, Structural features affecting basicity of Amines. Preparation of alkyl & Aryl amines. Reductive amination of Alk. & Ketones. Gabriel phthalimide reaction. Hoffmann's bromamide react. Reacns of Amines. Electrophilic substitution reactn of aryl amines with HNO₃, Synthetic transformations of aryl diazonium Salts. Diazo coupling</u>	
June	<u>Unit IV: - Amino acids: - Classifn of amino acids with ex Methods of Synthesis of Amino acids, S-phthalimide, Maloniz ester, Strecker's and Earleumayer's synthesis. Zwitterion, isoelectrc point and Electrophoresis of Amino acids. Peptides: - Nomenclature, geometry of Peptide bond, peptide</u>	
July	<u>Structure, det. of end group analysis, Selective hydrolysis of peptides, classical method of Peptides, Synthesis (Carbobenzoyl method)</u> <u>Proteins: - Classification based on composition, and Structure, primary and Secondary structure of proteins</u>	
August	<u>Unit V: - Enzymes: - Nomenclature & classification of Enzymes. Characteristic features of enzymes. Active sites. Specificity of enzymes. Enzyme Kinetics - factors affecting the rate of enzymatic reactions. Michaelis-Menten eqn (der. not required), turnover number and Non-competitive inhibition. Cofactors.</u>	


- Note:
1. Opening day :
 2. Commencement of classes :
 3. Completion of syllabus :
 4. Closing day :


 G. Jada
 Coordinator


 Staff


 HEAD

CHEMISTRY DEPARTMENT
 SMT VG COLLEGE FOR WOMEN
 GULBARGA - 585 102


 Signature of the Staff



H.K.E. SOCIETY'S
SMT. VEERAMMA GANGASIRI DEGREE COLLEGE
FOR WOMEN, GULBARGA - 585 102
NAAC- ACCREDITED "A" GRADE (3rd Cycle)
Affiliated to Karnataka State Akkamahadevi Women's
University, Vijayapura



MONTHWISE TEACHING PLAN 2020-21

(EVEN SEMESTER)

Name of the Staff: Dr. Shivaraj Mulagi Class: B.Sc. Vth Sem. Paper : 6-2 Sub: Chemistry

Month (Working Days)	Syllabus to be covered	Remarks
May	<u>Unit IV</u> :- <u>Oils, fats and Detergents</u> :- Composition of Oils, fats & Waxes. Analysis of fats and Oils. Determination of Acid Value, Iodine Value, Saponification Value and their importance. Manufacture of Soap by Modern continuous process. Types of Soaps & Syndets.	
June	<u>Organic Synthesis Via Enolates</u> :- Acidity of α -hydrogen, Alkylation of diethyl malonate and EAA, Synthesis of Ethyl Acetoacetate, Claisen condensation (Mechanism) Keto-Enol tautomerism of EAA. Alkylation and acylation of Enamines.	
July	<u>Unit V</u> :- <u>Synthetic Dyes and Drugs</u> :- <u>Dyes</u> :- Colour & Constitn., chromophore theory, electronic concept, classifi. of dyes, based on application and composition. Chemistry & synthesis of Methyl orange, Congo red, Malachite green, Crystal violet, Phenolphthalein, fluorescein, Alizarin & Indigo.	
August	<u>Drugs</u> :- Elementary account of Chemotherapy and chemotherapeutic agents. Antimalarials, Sulpha drugs and Antibiotics. Synthesis and uses of Antipyrine, chloramine-T, Sulphathiazole, chloroquin and Sulphanilamide	

- Note:
1. Opening day
 2. Commencement of classes
 3. Completion of syllabus
 4. Closing day

Staff

Head
HEAD
CHEMISTRY DEPARTMENT
SMT. V.G. COLLEGE FOR WOMEN
GULBARGA - 585 102

Coordinator
Coordinator
ಶ್ರೀಮತಿ ದೀಪಾ ಗಂಗಾಧರ ಮಹಾಶಯ, ಕಲಬುರಗಿ

Signature of the Staff



H.K.E. SOCIETY'S
SMT. VEERAMMA GANGASIRI DEGREE COLLEGE
FOR WOMEN, GULBARGA - 585 102
NAAC- ACCREDITED "A" GRADE (3rd Cycle)
Affiliated to Karnataka State Akkamahadevi Women's
University, Vijayapura



MONTHWISE TEACHING PLAN 2020-21

(EVEN SEMESTER)

Name of the Staff: Dr Parvathi Class: B.Sc.V Sem. Paper : 4.1 Sub: Chemistry

Month (Working Days)	Syllabus to be covered	Remarks
May	<u>Unit V Physical Properties of liquids</u> Surface tension - Defn. Det ⁿ by using Stala Gnometer, Parachor. Chemical constitutions applications of Parachor deciding the str ^u of benzene. Quinine effect of temp ^r on Surface tension.	
June	<u>Viscosity</u> - It is determine using abbe's refractometer. Effect of temp ^r on viscosity <u>Refractive Index</u> - It is det ⁿ by using	
July	Abbe's Refractometer. Effect of temp ^r on viscosity. molar refraction. Specific refraction. Snell's law, Principle of refractometer	
August		

- Note:
1. Opening day
 2. Commencement of classes
 3. Completion of syllabus
 4. Closing day

Apal
Coordinator

[Signature]
HEAD

CHEMISTRY DEPARTMENT
SMT V.G. COLLEGE FOR WOMEN
GULBARGA - 585 102

[Signature]
ಪ್ರಾಚಾರ್ಯರು
ಶ್ರೀಮತಿ ವೀರಮ್ಮ ಗಂಗಾಸಿರಿ ಮಹಿಷಾ
ಮಹಾಲಕ್ಷ್ಮೀಯ ಕಲಬುರಗಿ

[Signature]
Signature of the Staff



H.K.E. SOCIETY'S
 SMT. VEERAMMA GANGASIRI DEGREE COLLEGE
 FOR WOMEN, GULBARGA - 585 102
 NAAC- ACCREDITED "A" GRADE (3rd Cycle)
 Affiliated to Karnataka State Akkamahadevi Women's
 University, Vijayapura



MONTHWISE TEACHING PLAN 2020-21

(EVEN SEMESTER)

Name of the Staff: Dr. Parvathi Class: B.Sc. V Sem. Paper : 6.1 Sub: Chemistry

Month (Working Days)	Syllabus to be covered	Remarks
May	<u>Environmental chemistry</u> ! types sources of air pollution CO_x NO_x CO_x different particulates, water pollutants. source of water pollution, surface of water pollution BOD COD , control of water pollution. Industrial Effluents, their effects and treatment. Sewage.	
June	Water treatment methods water air quality standards ISI & WHO. plastic and rock and degradation. ground water pollution.	
July	<u>Food analysis</u> ! Reasons for food analysis. analysis of moisture, vegetables oils, spices. conditions of food adulteration, in food. contamination of food stuffs. Common micro-organisms of food stuffs.	
August	pesticide analysis in food products by TLC Techniques. analysis of crude fibres in spices and condiments.	

- Note:
1. Opening day
 2. Commencement of classes
 3. Completion of syllabus
 4. Closing day

Dr. Parvathi
 ಪ್ರಾಚಾರ್ಯರು
 ಶಿವಮೊಗ್ಗ ಗಂಗಾಸಿರಿ ಮಹಿಳಾ
 ವಿದ್ಯಾಲಯ, ಕುಲ್ಬರ್ಗ

Dr. Parvathi
 Coordinator

Dr. Parvathi
 HEAD

Signature of the Staff

CHEMISTRY DEPARTMENT
 SMT VG COLLEGE FOR WOMEN
 GULBARGA - 585 102



H.K.E. SOCIETY'S
SMT. VEERAMMA GANGASIRI DEGREE COLLEGE
FOR WOMEN, GULBARGA - 585 102
NAAC- ACCREDITED "A" GRADE (3rd Cycle)
Affiliated to Karnataka State Akkamahadevi Women's
University, Vijayapura




MONTHWISE TEACHING PLAN 2020-21


(EVEN SEMESTER)

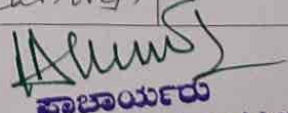
Name of the Staff: Dr Parvathi Class: B.Sc. V Sem. Paper : 6.2 Sub: Chemistry

Month (Working Days)	Syllabus to be covered	Remarks
May	<u>Unit I</u> Analytical chemistry: Introduction, Role of analytical chemistry, classification, types of Instrumental analysis. Selecting of analytical methods neatness and cleanliness in laboratory laboratory operations, analytical balance, volumetric glassware, sample preparation.	
June	dissolution, decomposition of safety in analytical laboratory. <u>II Error and Evaluation</u> :- Def ⁿ of mean and median precision, relative error types of errors, experimental data determination, errors, their effects, reporting analytical data.	
July	Statistical Evaluation of data, Evaluation of data, Interdeterminate errors, statistics. <u>III Chromatographic Techniques</u> :- fundamental of chromatography :- Def ⁿ terms	
August	Parameters, used in chromatography, classification of chromatographic methods, criteria for selection of stationary phase, mobile phase, nature of adsorbents, mobile phase, TLC :- mechanism of efficiency of TLC plates, stationary phase, preparation of plates column chromatography - Principle, applications.	

- Note: 1. Opening day
2. Commencement of classes
3. Completion of syllabus
4. Closing day


Coordinator


HEAD
CHEMISTRY DEPARTMENT
SMT VG COLLEGE FOR WOMEN
GULBARGA - 585 102


ಶ್ರೀಮತಿ ದೀಪ್ತಿ ಗಂಗಸರಿ ಮಹಿಳಾ
ವಿಭಾಗದ್ಯಾಲಯ, ಕಲಬುರಗಿ

Signature of the Staff



H.K.E. SOCIETY'S
SMT. VEERAMMA GANGASIRI DEGREE COLLEGE
FOR WOMEN, GULBARGA - 585 102
NAAC- ACCREDITED "A" GRADE (3rd Cycle)
Affiliated to Karnataka State Akkamahadevi Women's
University, Vijayapura



MONTHWISE TEACHING PLAN 2020-21

(EVEN SEMESTER)

Name of the Staff: Dr. Parveen R. Class: B.Sc IV Sem. Paper : 40 Sub: Chemistry

Month (Working Days)	Syllabus to be covered	Remarks
May	<u>UNIT III :- Aldehydes & Ketones</u> Synthesis of Aldehydes & Ketones. Structure, reactivity & Properties of carbonyl group. Mechanisms of nucleophilic addition reaction. Benzoin, Aldol, Perkin, Cannizzaro, Knoevenagel condensation. Mannich reaction, Clemmensen, Wolf-Kishner, $LiAlH_4$, $NaBH_4$ reductions, Halogenation of enolisable Ketones.	
June	<u>UNIT IV :- Stereochemistry</u> Optical isomerism: chirality, Le-Bel-vant Hoff's hypothesis, elements of symmetry, optical activity, D & L configurations, R & S notations sequence & priority rule, enantiomers, diastereomers, racemic mixture meso compounds. Geometrical isomerism in maleic & fumaric acid. Determination of configuration of geometrical isomers, E-Z systems. Geometrical isomerism in oximes, Beckmann rearrangement.	
July	<u>UNIT V :- Thermodynamics II</u> Second law of thermodynamics: Need for the law, different statements of second law, Carnot cycle and its efficiency. Entropy concept as a state function, Entropy changes of an ideal gas with change in V & T, P & T. Calculation of entropy changes in reversible, isothermal, isobaric & isochoric processes. Physical significance of entropy. Free energy. Helmholtz & Gibbs & their relationship. Significance of free energy, criteria for spontaneity.	
August	<u>UNIT VI :- Spectroscopy.</u> Electromagnetic radiations, regions of the spectrum, basic features of spectrometers. Statement of Born-Oppenheimer approximation. Diatomic molecules: Energy levels of rigid rotor, selection rule, spectral intensity, distribution using population distribution. Determination of bond length. Isotope effect. IR :- Selection rule, energy levels of S.H.O. Determination of qualitative relation of force constant & bond energies.	

- Note: 1. Opening day
 2. Commencement of classes
 3. Completion of syllabus
 4. Closing day

(Handwritten signature)
 ಪ್ರಾಚಾರ್ಯರು
 ಶಿವಶಿವಿ ದೀಪ್ತಿ ಗಂಗೂರಿ ಮಹಾ
 ಮಹಾದೀಪ್ಯಾಲಯ, ಕಲಬುರಗಿ

(Handwritten signature)
 Coordinator
 HEAD
 CHEMISTRY DEPARTMENT
 SMT V.G. COLLEGE FOR WOMEN
 GULBARGA-585 102

(Handwritten signature)
 Signature of the Staff



H.K.E. SOCIETY'S
SMT. VEERAMMA GANGASIRI DEGREE COLLEGE
FOR WOMEN, GULBARGA - 585 102
NAAC- ACCREDITED "A" GRADE (3rd Cycle)
Affiliated to Karnataka State Akkamahadevi Women's
University, Vijayapura



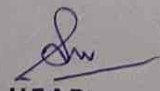
MONTHWISE TEACHING PLAN 2020-21


(EVEN SEMESTER)

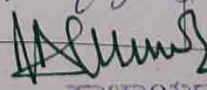
Name of the Staff: Dr. Parveen R. Class: B.Sc. VI Sem. Paper : 6-1 Sub: Chemistry

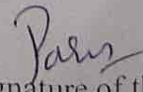
Month (Working Days)	Syllabus to be covered	Remarks
May	UNIT : I Industrial chemistry Cement: Definition & composition of Portland cement	
June	Manufacture of Portland cement cement by dry process, setting of cement.	
July	Types of Portland cement and other types of cement - Cement industries in India.	
August	Glass:- Definition and composition, Physical properties, chemical properties characteristics manufacture of glass by Pot furnace method, Type of glass	

- Note:
1. Opening day
 2. Commencement of classes
 3. Completion of syllabus
 4. Closing day


HEAD
CHEMISTRY DEPARTMENT
SMT VG COLLEGE FOR WOMEN
GULBARGA - 585 102


Coordinator


ಪ್ರಾಚಾರ್ಯರು
ಶ್ರೀಮತಿ ಪಿ.ವೆಂಕಟೇಶ್, ರಾಜಕೀಯ ವಿಭಾಗ
ಮಹಾವಿದ್ಯಾಲಯ, ಕಲಬುರಗಿ


Signature of the Staff



H.K.E. SOCIETY'S
SMT. VEERAMMA GANGASIRI DEGREE COLLEGE
FOR WOMEN, GULBARGA - 585 102
NAAC- ACCREDITED "A" GRADE (3rd Cycle)
Affiliated to Karnataka State Akkamahadevi Women's
University, Vijayapura



MONTHWISE TEACHING PLAN 2020-21

(EVEN SEMESTER)

Name of the Staff: Dr. Parveen R. Class: B.Sc. II Sem. Paper : 1) Sub: Chemistry

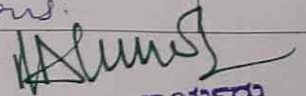
Month (Working Days)	Syllabus to be covered	Remarks
May	<u>UNIT 3: Arenes and aromaticity</u> Nomenclature of benzene derivatives, Modern concept of structure of benzene, Aromaticity Huckel's rule. Naphthalene, Phenanthrene and anthracene.	
June	Aromatic electrophilic, general patterns of the mechanisms, role of σ and π complexes Mechanism of Nitration, halogenation Sulphonation. Activating and deactivating	
July	Substituents. orientation rules of orientation of orienting influence of substituents chlorobenzene, Nitrobenzene and Phenol. orientation in disubstituted benzene.	
August	<u>Aliphatic and aromatic nitrocompounds :-</u> Preparation and properties of aliphatic and nitrocompounds. reduction of nitrobenzene in acid, alkali and neutral medium. Electrophilic and nucleophilic reactions.	

- Note: 1. Opening day :
2. Commencement of classes :
3. Completion of syllabus :
4. Closing day :

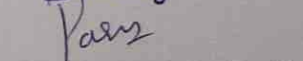

HEAD

CHEMISTRY DEPARTMENT
SMT V.G. COLLEGE FOR WOMEN
GULBARGA-585 102


Coordinator



ಪ್ರಾಚಾರ್ಯರು
ಶ್ರೀಮತಿ ಶಿರಮ್ ಗಂಗಾಸಿರಿ ಮಹಿಷಾ
ಪ್ರಾಚಾರ್ಯರು, ಕಲಬುರಗಿ


Signature of the Staff



H.K.E. SOCIETY'S
SMT. VEERAMMA GANGASIRI DEGREE COLLEGE
FOR WOMEN, GULBARGA - 585 102
NAAC- ACCREDITED "A" GRADE (3rd Cycle)
 Affiliated to Karnataka State Akkamahadevi Women's
 University, Vijayapura



MONTHWISE TEACHING PLAN 2020-21

(EVEN SEMESTER)

Name of the Staff: Miss. Mamata Class: B.Sc. IInd Sem. Paper : 2.1 Sub: Chemistry

Month (Working Days)	Syllabus to be covered	Remarks
May	<u>UNIT: 1: s-Block Elements:-</u> <u>Alkali metals:-</u> Physical properties, E.C, chemical properties, reactivity of metals, action of air, water, hydrogen, halogens formation of amalgams. <u>Comparative Study of compounds of alkali metals.</u> <u>Alkaline earth metals:-</u> physical properties, E.C comparative study of properties of compounds such as oxides, hydroxides, sulphates, halides formation of more soluble bicarbonate compounds.	
June	<u>UNIT: 2: p-Block Elements:-</u> Comparative study of Boron family elements, E.C, physical properties, Diagonal relationship b/w boron & Silicon, preparation, properties structural features of Diamond & graphite also Carbon family, E.C, Physical properties of Borazole & Diborane, Halogens:- Structure of iodic acid, iodine pentoxide, P.h.e.I.h.	
July	<u>UNIT: 7: Phase Equilibria:-</u> Phase rule - definition & expl ⁿ of terms involved. Application to one component system (water & Sulphur) & two component systems (lead-silver, KI-H ₂ O) Freezing mixtures.	
August	<u>UNIT: 5: Nernst Distribution law:</u> Statement & derivation Modification of law when solute associates & dissociates in one of the solvents Application of law to solvent extraction process. <u>UNIT: 6: Liquid Mixtures:</u> Different type of examples, Raoult's law of V.P. V.C & B.P. Azeotropic mixtures, partially miscible liquids. Critical soln temp with respect to phenol-water, nicotine-water, trimethylamine-water system.	

- Note:
1. Opening day
 2. Commencement of classes
 3. Completion of syllabus
 4. Closing day

ಇವುಗಳನ್ನು
 ಕ್ರಮದಿಂದ ನೋಡಿ ಮತ್ತು
 ಮಹಾರಾಜರ, ಕಲಾಪತಿ

HEAD

CHEMISTRY DEPARTMENT
 SMT. V.G. COLLEGE FOR WOMEN
 GULBARGA - 585 102

Coordinator

Signature of the Staff



H.K.E. SOCIETY'S
SMT. VEERAMMA GANGASIRI DEGREE COLLEGE
FOR WOMEN, GULBARGA - 585 102
 NAAC- ACCREDITED "A" GRADE (3rd Cycle)
 Affiliated to Karnataka State Akkamahadevi Women's
 University, Vijayapura



MONTHWISE TEACHING PLAN 2020-21

(EVEN SEMESTER)

Name of the Staff: Miss. Mamata Class: B.Sc. ^{Vth} Sem. Paper : 6.1 Sub: Chemistry

Month (Working Days)	Syllabus to be covered	Remarks
May	<u>UNIT:06: Colligative Properties:</u> Semipermeable membrane, natural & artificial Semipermeable membrane; Examples, preparation of copper ferrocyanide SPM. Osmosis, Osmotic pressure its determination by Berkley & Hartley method. Theory of dilute solutions laws of Osmotic pressure, isotonic solutions, Relative lowering of Vapour pressure Raoult's law & its derivation. Relation b/w R.L of V.p Ostwald's & Walker's method	
June	Elevation of Boiling point and its relationship to the lowering of Vapour pressure & molar mass to be derived, Ebullioscopic constant K_b of the solvent & its relation to the boiling point & enthalpy of vapourisation of the solvent, Landsberg's method.	
July	<u>UNIT:07: Electro motive force:</u> Electro motive force - Galvanic cells & electrode reaction. Measurement of EMF, Standard cell. Types of electrodes. Sign convention of electrode potential, Nernst's equation of electrode potential	
August	Calculation of electrode potential, SEP, Reference electrode (a) Hydrogen electrode (b) Calomel electrode (c) Silver-silver chloride electrode. Application of EMF measurements. (1) Determination of pH of a solution by using hydrogen electrode (2) P.T. (a) Acid-Base & (b) Redox titrations Concentration Cells with & without transference LTP	

- Note:
1. Opening day
 2. Commencement of classes
 3. Completion of syllabus
 4. Closing day

HEAD
 CHEMISTRY DEPARTMENT
 SMT VG COLLEGE FOR WOMEN
 GULBARGA-585 102

Coordinator

ಶಾಲೆಯನ್ನು
 ಪ್ರೀತಿಯಿಂದ ನೋಡುವ ಮಹಿಳಾ
 ಮಹಾಶಿಲ್ಪಿಯ, ಕಲಾಪರಣಿ.

 Signature of the Staff



H.K.E. SOCIETY'S
SMT. VEERAMMA GANGASIRI DEGREE COLLEGE FOR WOMEN GULBARGA - 585 102
NAAC- ACCREDITED "A" GRADE (3rd Cycle)
Affiliated to Karnataka State Akkamahadevi Women's
university, vijayapura



MONTHWISE TEACHING PLAN-2020-2021
(EVEN SEMESTER)

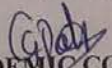
Name of the staff: Smt . Sapna Sherikar

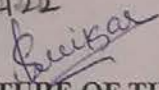
Class: B.sc II Sem

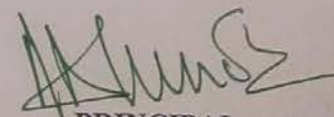
Sub: Advance C & Ms-Excel


Month (Working Days)	Syllabus to be covered	Remarks
May (23 days)	<p>Unit-1:User-defined Function: Need for user-defined Functions, The form of function, return values and their types, calling a function, category of functions- arguments with return values, argument with no return values, No argument with return values and No argument with no return values, parameter passing Mechanism: Call by Value and Call by Reference. recursion , arrays infunction.</p> <p>Unit-2:Structures And Unions: Structures definition, giving values to members, Structure initialization, comparison of structure variables, Structure within structures, arrays within structures, structures and functions, Unions.</p>	
June (25 days)	<p>Unit-3:Pointers: Understanding pointers, accessing the address of the variable, declaring and initializing pointer, accessing a variable through its pointer and arrays, pointer and structures, dynamic allocation.</p> <p>Unit-4:Files: Definition of file, Opening & Closing a data File, modes of files, creating a data file, processing a data file, types of file.</p>	
July (26 days)	<p>Unit-4:Files: Definition of file, Opening & Closing a data File, modes of files, creating a data file, processing a data file, types of file.</p> <p>Unit-5: MS OFFICE: Introduction to MS-Excel: features of MS- Excel, spread sheet/worksheet, cell, cell pointer, cell address, parts of MS-excel window, creating excel sheet, functions in excel sheet, chart</p>	
August (25 days)	<p>Unit-6:Internet Tools : Concept of Networking-LAN ,MAN, WAN, Internet, uses of internet, prerequisites for internet, internet protocols, Internet ,Extranet World Wide Web, Website, Webpage, Web browser, E-mail, creating An E-mail Account, E-mail sending & receiving, Advantages & disadvantages of E-mail, Search engines, Downloading, Uploading.</p>	

Note:1. Opening day : 18/10/21
2. Commencement of Class : 18/10/2021
3. Completion of Syllabus : 19/02/2022
4. Closing Day : 28/2/22


ACADEMIC COORDINATOR


SIGNATURE OF THE STAFF


PRINCIPAL
Smt. V.G. Degree College for Women
GULBARGA.


Dept. of Computer Science
Smt. V. G. Womens College,
GULBARGA.



H.K.E. SOCIETY'S
SMT. VEERAMMA GANGASIRI DEGREE COLLEGE FOR WOMEN GULBARGA - 585 102
NAAC- ACCREDITED "A" GRADE (3rd Cycle)
Affiliated to Karnataka State Akkamahadevi Women's
university, vijayapura



MONTHWISE TEACHING PLAN-2020-2021
(EVEN SEMESTER)

Name of the staff: Smt.Shweta Kote

Class: B.Sc IV Sem

Sub: DBMS

Month (Working Days)	Syllabus to be covered	Remarks
May (23 days)	UNIT I: Introduction: Purpose of Database Systems, View of Data, Database Languages, Database Design, Data Storage and Querying, Transaction Management, Database Architecture, Database Users and Administrators. UNIT II: Introduction to the Relational Model: Structure of Relational Databases, Database Schema, Keys,	
June (25 days)	Schema Diagrams, Relational Query Languages, Relational Operations. UNIT III: Introduction to SQL: SQL Data Definition, Basic Structure of SQL Queries, Basic Operations- Set Operations, Null Values, Aggregate Functions, Nested Subqueries, Modification of the Database, Join Expressions, Views, Transactions, Integrity Constraints, SQL Data Types and Schemas, Functions and Procedures, Triggers.	
July (26 days)	UNIT IV: Database Design and the E-R Model: Overview of the Design Process, The Entity-Relationship Model, Constraints, Removing Redundant Attributes in Entity Sets, Entity-Relationship Diagrams, Reduction to Relational Schemas, Entity-Relationship Design Issues, Extended E-R Features.	
August (25 days)	UNIT V: Relational Database Design: Features of Good Relational Designs, Atomic Domains and First Normal Form, Decomposition Using Functional Dependencies, Multivalued Dependencies, More Normal Forms-2NF, 3NF, refinement, BCNF, and 4NF, Database-Design Process, Modeling Temporal Data. Data Storage: Magnetic Disk and Flash Storage, RAID, File Organization, Organization of Records in Files.	

Note: 1. Opening day

2. Commencement of Class

3. Completion of Syllabus

4. Closing Day

: 18/10/21

: 18/10/21

:

:

ACADEMIC COORDINATOR

SIGNATURE OF THE STAFF

PRINCIPAL

PRINCIPAL

Smt. V.G. Degree College for Women
GULBARGA.

Dept. of Computer Science
Smt. V. G. Womens College,
GULBARGA,



H.K.E. SOCIETY'S
 SMT. VEERAMMA GANGASIRI DEGREE COLLEGE FOR WOMEN GULBARGA - 585 102
 NAAC- ACCREDITED "A" GRADE (3rd Cycle)
 Affiliated to Karnataka State Akkamahadevi Women's
 university, vijayapura



MONTHWISE TEACHING PLAN-2020-2021
(EVEN SEMESTER)

Name of the staff: Smt. Premila S Toran

Class: B.sc VI sem

Sub:(6.1) Web Programming

Month (Working Days)	Syllabus to be covered	Remarks
May (23 days)	<p>UNIT I The World Wide Web: Introduction to world wide Web, Web Pages and Contents, Web Clients, Web Servers, Web Applications, Websites – Home Pages: Web Site Development ; How to Builds Web Sites? , Web Content Authoring, Web Graphics Design, Web Programming. What is a scripting language? Motivation for and applications of scripting, How scripting languages differ from non-scripting languages, Types of scripting languages.</p> <p>UNIT II Web Design: Origins and evolution of HTML and XHTML, Basic syntax, Standard XHTML document structure, Basic text markup, Images, Hypertext Links, Lists, Tables, Forms, Frames, Syntactic differences between HTML and XHTML. Overview and features of HTML5.</p>	
June (25 days)	<p>CSS: Introduction, Levels of style sheets, Style specification formats, Selector forms, Property value forms, Font properties, List properties, Color, Alignment of text, The Box model, Background images, The and tags. Conflict resolution. Overview and features of CSS3. UNIT III 12Hrs JavaScript: Object orientation and JavaScript; General syntactic characteristics; Primitives, operations, and expressions; Screen output and keyboard input; Control statements; Object creation and modification; Arrays; Functions; Constructor; Pattern matching using regular expressions; Errors in scripts; Examples.</p> <p>UNIT IV Java Script and HTML Documents, Dynamic Documents with JavaScript. The Document Object Model; Element access in JavaScript; Events and event handling;</p>	
July (26 days)	<p>Handling events from the Body elements, Button elements, Text box and Password elements; The DOM 2 event model; traversal and modification. Introduction to dynamic documents; Positioning elements; Moving elements; Element visibility; Changing colors and fonts; Dynamic content; Stacking elements; Locating the mouse cursor; Reacting to a mouse click; Slow movement of elements; Dragging and dropping elements. XML: Introduction to XML, Anatomy of an XML, document, Creating XML Documents, Creating XML DTDs, XML Schemas, XSL, XML processors, Web services.</p>	
August (25 days)	<p>UNIT V PHP : Why PHP and MySQL?, Server-side web scripting, Installing PHP, Adding PHP to HTML, Syntax and Variables, Passing information between pages, Strings, Arrays and Array Functions, Numbers, Basic PHP errors / problems. PHP/MySQL Functions, Displaying queries in tables, Building Forms from queries, String and Regular Expressions, Sessions, Cookies and HTTP, Type and Type Conversions.</p>	

- Note: 1. Opening day :
 2. Commencement of Class :
 3. Completion of Syllabus :
 4. Closing Day :

G.P.
 ACADEMIC COORDINATOR

Premila
 SIGNATURE OF THE STAFF

[Signature]
 PRINCIPAL

PRINCIPAL
 Smt. V.G. Degree College for Women
 GULBARGA.

Premila
 Dept. of Computer Science
 Smt. V. G. Womens College,
 GULBARGA,



H.K.E. SOCIETY'S
SMT. VEERAMMA GANGASIRI DEGREE COLLEGE FOR WOMEN GULBARGA - 585
102
NAAC- ACCREDITED "A" GRADE (3rd Cycle)
Affiliated to Karnataka State Akkamahadevi Women's
university, vijayapura



MONTHWISE TEACHING PLAN-2020-2021
(EVEN SEMESTER)

Name of the staff: Miss Smita S Pati

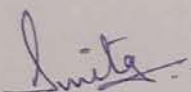
Class: B.sc VI Sem

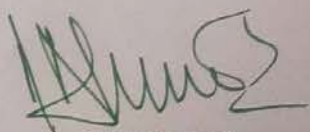
Sub:(6.2) Computer Networks


Month (Working Days)	Syllabus to be covered	Remarks
May (23 days)	UNIT I Introduction: Data Communications, Networks, the internet, protocols and standards, network models – OSI model, TCP/IP protocol suite, addressing. UNIT II Data and Signals: Periodic analog signals, digital signals, transmission impairment, data rate limits, performance.	
June (25 days)	Digital transmission: Digital to digital conversion, analog-to-digital conversion, transmission modes. UNIT III Physical Layer and Media: Analog transmission: Digital-to-analog conversion, analog-to-analog conversion.	
July (26 days)	Multiplexing and Spread spectrum. Transmission media – Guided media and unguided media. UNIT IV Switching: Circuit-switched networks, datagram networks, virtual-circuit networks, structure of a switch. Telephone networks, dialup modems, digital subscriber line, cable-tv networks	
August (25 days)	Detection and Correction: Errors, redundancy, detection versus correction, block coding, linear block codes, cyclic codes, checksum. UNIT V Data Link Control: Framing, flow and error control, noiseless and noisy channels, HDLC, point-to-point control. Multiple Access: Random access ALOHA, controlled access, channelization.	

- Note: 1. Opening day :
2. Commencement of Class :
3. Completion of Syllabus :
4. Closing Day :


ACADEMIC COORDINATOR


SIGNATURE OF THE STAFF


PRINCIPAL
PRINCIPAL
Smt. V.G. Degree College for Women
GULBARGA.


Dept. of Computer Science
Smt. V. G. Womens College,
GULBARGA,



MONTHWISE TEACHING PLAN-2020-2021

(EVEN SEMESTER)

Name of the staff: Smt.Shweta & Sapna

Class: B.Com IV Sem

Sub: Ms-Excel & C Programming

Month (Working Days)	Syllabus to be covered	Remarks
May (23 days)	UNIT I:MS-Excel:-concept of spreadsheet, standard Button bar, Formatting Toolbar, formula bar, auto calculated area, rows and columns of worksheet, editing cells, cell range and reference,types of cell data , labels, values, formulas. UNIT II:Functions in excel: category of function, cell formatting ,excel charts, types of charts.	
June (25 days)	UNIT III :. Introduction to Programming in 'C': Introduction, Importance of 'C', Basic structure of 'C' Program. Executing a 'C' Program. Constants, Variables, C-tokens: Keywords and identifiers. Data types. Declaration of Variables, Assigning values to variables. Defining symbolic constants. UNIT IV: Input and Output Statements: Reading a Character, Writing a Character, scanf(),printf(), rules for input statements, examples.	
July (26 days)	UNIT V: Operators and Expressions: Increment and Decrement Operators, Arithmetic Operators, Relational Operators, Logical Operators, Conditional Operators, Assignment Operators, Bitwise Operators, Special Operators, Arithmetic Expressions, Precedence of Operators, Type Conversions in Expressions. UNIT VI: Decision Making, Branching and Looping: Decision Making with if statement:Simple if statement, if...else statement, Nested if else statement,	
August (25 days)	else..if Ladder . The switch statement, the ?: Operator, The goto statement. while statement, do...while statement and for statement. Jumps in loops. UNIT VII: Arrays and Strings: one Dimensional array, Two Dimensional array. Initializing One and Two Dimensional arrays. Declaring and Initializing String variables, String Handling functions with examples.	

- Note:1. Opening day :
 2. Commencement of Class :
 3. Completion of Syllabus :
 4. Closing Day :

G. S. S.
 ACADEMIC COORDINATOR

Shweta
 SIGNATURE OF THE STAFF

Smt. V. G.
 PRINCIPAL
 PRINCIPAL
 Smt. V.G. Degree College for Women
 GULBARGA

Dr. M. S. S.
 Dept. of Computer Science
 Smt. V. G. Womens College
 GULBARGA,



MONTHWISE TEACHING PLAN-2020-2021
(EVEN SEMESTER)



Name of the staff: Smita, Sapna, Premila Class: B.com VI Sem Sub: Tally

Month (Working Days)	Syllabus to be covered	Remarks
May (23 days)	Manual Accounting and Computerized Accounting Accounting Basics: Accounting – Meaning & Objectives, Classification of accounts under English system with debit and credit rules, Meaning of Journal, Trial Balance, Opening entries, Final Accounts (Trading, Profit & Loss Account and Balance Sheet), Adjusting Entries, Bank Reconciliation. Computerized Accounting: Meaning, Features, Advantages, Disadvantages & Difference between Manual Accounting and Computerized Accounting Tally: Introduction, Meaning, Features, Gateway of Tally, Configuration of Tally Screens & Menus, Creation of Company, Creation of Groups, Editing	
June (25 days)	Editing & Deleting Groups, Creation, Editing & Deleting of Ledgers, Predefined Vouchers, Displaying, Altering & Deleting Vouchers. Introduction to Inventories: Creation of- stock categories, Stock Groups & Stock Items. Configuration & Features of Stock Items, Editing & Deleting Stocks. Usage of Stocks in Voucher Entry. Purchase Order, Stock Vouchers, Sales Order.	
July (26 days)	Introduction to Cost, Creation of Cost Category Creation of Cost Centers. Editing & Deleting Cost Centers & Categories. Usage of Cost, Cost Category & Cost Centers in Voucher Entry, Budget & Control, Editing & Deleting Budgets. Payroll Administration & Generation of Reports: Payroll: Meaning & Features, Activation of Payroll, Processing Basic Payroll in Tally, Salary processing. Reports: Day Books – Trial Balance, Profit & Loss Account, Balance Sheet, Payroll Report, Ratio Analysis, Cash Flow Statement, Fund Flow Statement, Cost Center Report, Inventory Report, Bank Reconciliation Statement.	
August (25 days)	Printing Reports – Types of Printing, Configuration of Options, Printing Format. Tax Accounting (Goods & Service Tax): Create Company and Activate GST in Company level, Creating Master & Set GST Rates, Calculation of GST, Creating Tax Ledgers, Transferring Tax Credits of VAT Excise & Service Tax to GST, Recording GST Sales, Recording GST Interstate Sales and Printing Invoices, Recording an Advance to Supplier under GST, Recording GST Local Purchase, Recording GST Interstate Purchase	

- Note: 1. Opening day :
 2. Commencement of Class :
 3. Completion of Syllabus :
 4. Closing Day :

Sapna
 ACADEMIC COORDINATOR

Smita, Sapna, Premila
 SIGNATURE OF THE STAFF

Smt. V.G.
 PRINCIPAL
 Smt. V.G. Degree College for Women
 GULBARGA

Premila
 Dept. of Commerce
 Smt. V. G. Womens College,
 GULBARGA,