



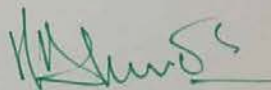
MONTHWISE TEACHING PLAN 2019-20 (Even Semester)

Name of the Staff: Dr. Shilpa, B Class: B.Sc II semester Sub: 2.1 Biochemistry

Month (Working Days)	Syllabus to be covered	Remarks
Dec-2019 (13 days)	1. Introduction:- physical & chemical nature of biological materials. Types of chemical bonds & their functions.	
Jan-2020 (26 days)	2. Carbohydrates 3. Proteins 4. Lipids	
Feb-2020 (24 days)	5. Enzymes 6. Nucleic acids. 7. Analytical Techniques. (a) Chromatography, (a)	
March-2020 (24 days)	(b) Spectrophotometer (c) Centrifugation (d) Electrophoresis	
April-2020 (10 days)	(e) Radioactivity.	

Note: 1. Commencement of II, IV & VI Sem Classes : 16.12.2019
2. End of II, IV & VI Sem Classes : 15.04.2020
3. Commencement of Vacation for Teachers : 17.04.2020


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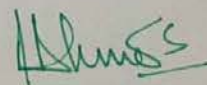
MONTHWISE TEACHING PLAN 2019-20 (Even Semester)

Name of the Staff: mangala Bhat Class: B.Sc IV Sem Sub: molecular Biology

Month (Working Days)	Syllabus to be covered	Remarks
Dec-2019 (13 days)	Introduction, experimental proof of DNA as genetic material. Hershey-chase Experiment RNA as genetic material, central dogma.	
Jan-2020 (26 days)	DNA replication in prokaryotes, DNA replication in eukaryotes. Rolling & theta mode of replication. DNA Damage consequences	
Feb-2020 (24 days)	Repair of DNA & types. semiconservative mode of replication. transcription in prokaryotes. transcription in eukaryotes.	
March-2020 (24 days)	post transcriptional modification. Recombination in prokaryotes, transformation, conjugation, transduction, mechanism & applications. translation in prokaryotes & eukaryotes. modifications.	
April-2020 (10 days)	Lactose operon, Tryptophan operon transcriptional activation. Regulation of gene expression in mitochondria, chloroplast. Galactose metabolism in yeast.	

- Note: 1. Commencement of II, IV & VI Sem Classes : 16.12.2019
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MONTHWISE TEACHING PLAN 2019-20 (Even Semester)

Name of the Staff: *Mithilpa B* Class: *B.Sc. V semester* Sub: *Biotechnology* ^{6.1 Agricultural & Environmental}

Month (Working Days)	Syllabus to be covered	Remarks
Dec-2019 (13 days)	1. Introduction to agricultural Biotechnology 2. Renewable & non-renewable resources of energy	
Jan-2020 (26 days)	3. Transgenic plants. 4. Impact of conventional & non-conventional fuels. 5. Biofertilizers & biocontrol, Biopesticides	
Feb-2020 (24 days)	6. Treatment of municipal & industrial waste water effluents 7. Biodegradation & Bioremediation 8. Plant growth regulators.	
March-2020 (24 days)	9. Production of biofuels. 10. Microbial ore leaching & recovery - Bioleaching 11. Study of vermicomposting 12. Study of air, water & soil pollution	
April-2020 (10 days)	13. Cryopreservation 14. Environmental protection act & related issues.	

Note: 1. Commencement of II, IV & VI Sem Classes : 16.12.2019
2. End of II, IV & VI Sem Classes : 15.04.2020
3. Commencement of Vacation for Teachers : 17.04.2020

Mithilpa B
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MONTHWISE TEACHING PLAN 2019-20 (Even Semester)

Name of the Staff: mangala brada Class: Bsc VI sem (6.2) Sub: Medical Industrial &

Month (Working Days)	Syllabus to be covered	Remarks
Dec-2019 (13 days)	Basic principles of fermentation, scale up of fermentation, Screening & isolation of organisms, Fermentation media, sterilization techniques. Fermenters.	
Jan-2020 (26 days)	Types of fermenters - typical Airlift, tower & Bubble-up. Types of fermentations: SSF, submerged, continuous. Immobilized enzymes, cell biotech, medically imp organisms, bacterial & viral vaccines & production.	
Feb-2020 (24 days)	DSP, shake flask fermentation, Disintegration of cells, separation extraction, concentration, purification of product. production of lactic acid, Beer, penicillin, steroids biotransformation, characteristics of Amylase, Industrial uses of enzymes.	
March-2020 (24 days)	Food & pharmaceuticals, Immobilized enzymes, Therapeutic proteins, Somatostatin, cytokines, Interleukin Interferons, human factors - VII & IX, Hybridoma technology. Antisense technology stem cells	
April-2020 (10 days)	Fermented foods - yogurt, Buttermilk, cheese, Tempeh. single cell proteins	

- Note: 1. Commencement of II, IV & VI Sem Classes : 16.12.2019
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 3. Commencement of Vacation for Teachers : 17.04.2020

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MONTHWISE TEACHING PLAN 2018-19

(Odd Semester) *Biotech*

Name of the Staff: *Basavarajeshwari* Class: *BSc I Sem* Sub: *cell biology*
(lyfeg)

Month (Working Days)	Syllabus to be covered	Remarks
June (17 days)	<i>cell theory</i>	
July (26 days)	<i>cell organelles</i>	
Aug (25 days)	<i>mutation, metabolism, cell cycle</i>	
Sept (23 days)	<i>chromatogenesis, Allozymomal & autosomal disorders</i>	
Oct (22 days)	<i>sex determination</i>	

- Note: 1. Opening Day : 01.06.2018
2. Commencement of Classes: III & V Sem(11.06.2018) & I Sem(18.06.2018)
3. Completion of Syllabus : III & V Sem(22.10.2018) & I Sem(31.10.2018)
4. Closing Day : 02.11.2018

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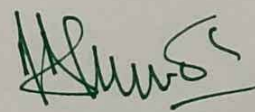
(Odd Semester)

Name of the Staff: Smt. mangala brada Class: B.Sc III sem Sub: microbiology & Immunology

Month (Working Days)	Syllabus to be covered	Remarks
June (17 days)	1) History & scope of microbiology 2) microscopy 3) History & scope of Immunology.	
July (26 days)	4) Sterilization. 5) Stains & staining techniques 6) Immunity. 7) Antigens.	
Aug (25 days)	8) culturing of microorganisms 9) microbial growth. 10) Antibodies	
Sept (23 days)	11) Antigen - Antibody reactions 12) Humoral & cell mediated immunity 13) Allergy: Types of allergy -	
Oct (22 days)		

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4. Closing Day : 02.11.2018


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MONTHWISE TEACHING PLAN 2018-19

(Odd Semester)

Name of the Staff: *Smt. mangala* Class: *B.Sc. V Sem* Sub: *Genetic Engineering*

Month (Working Days)	<i>B.Sc. V Sem</i> Syllabus to be covered	Remarks
June (17 days)	1) Introduction to Genetic Engineering 2) Tools of Genetic Engineering	
July (26 days)	3) Gene cloning 4) Detection of clones	
Aug (25 days)	5) Gene Library 6) r-DNA technology for human welfare.	
Sept (23 days)	7) Human genome project & its implication 8) Biosafety: Rules & regulation of formation handling & response to genetically modified organisms	
Oct (22 days)		

- Note: 1. Opening Day : 01.06.2018
2. Commencement of Classes: III & V Sem(11.06.2018) & I Sem(18.06.2018)
3. Completion of Syllabus : III & V Sem(22.10.2018) & I Sem(31.10.2018)
4. Closing Day : 02.11.2018

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MONTHWISE TEACHING PLAN 2018-19

(Odd Semester)

Biotecnology

Name of the Staff: *Balawaryal* Class: *B.Sc V sem.*

Sub: *Plant & Animal*

Month (Working Days)	Syllabus to be covered	Remarks
June (17 days)	<i>Plant tissue culture</i>	
July (26 days)	<i>Animal cell culture, callus culture Animal tissue culture.</i>	
Aug (25 days)	<i>Embryo culture, micropropagation</i>	
Sept (23 days)	<i>protoplast isolation & fusion somatic hybridization in crop improvement. IVF, marker studies micro plants.</i>	
Oct (22 days)	<i>In vitro haploid production & their application. somoclonal variations. plant secondary metabolites.</i>	

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3. Completion of Syllabus : III & V Sem(22.10.2018) & I Sem(31.10.2018)
4. Closing Day : 02.11.2018

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MONTHWISE TEACHING PLAN 2019-20

(EVEN SEMESTER)

Name of the staff: Mamata S.H Class: B.Sc VI Sem Sub: Chemistry

Month (Working Days)	Syllabus to be covered	Remarks
January		
February	Unit-I Colligative Property Semi permeable membrane, natural and artificial Semi permeable membranes examples, preparation of Copper ferrocyanide. Osmotic pressure, Relative lowering of vapour pressure, Elevation of Boiling point and Depression of freezing point	
March	Ostwald's and walkers method of determination of relative lowering of vapour pressure Landberg's method, osmotic pressure its determination by Barkley and Hartley method, Beckmann's method Abnormal molecular mass, Vanthoff factor, degree of ionization, degree of dissociation, Numerical pro blems	
April	Galvanic cells and electrode reaction, Measurement of EMF Types of Electrode Sign Convention of Electrode Potential Nernst eqn for electrode potential Calculation of Electrode Potential. SEP, RE, HE, CE, S-S-E Application of EMF measurement	

Note:

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|----------------------------|---|------------|
| 5. Opening day | : | 01/01/2020 |
| 6. Commencement of classes | : | 09/01/2020 |
| 7. Completion of syllabus | : | |
| 8. Closing day | : | 14/04/2020 |

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MONTHWISE TEACHING PLAN 2019-20

(EVEN SEMESTER)

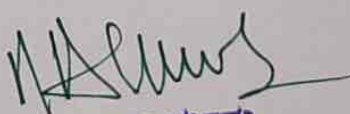
Name of the staff: Dr. Shivraj Mulagi

Class: B.Sc IV Sem Sub: Chemistry


Month (Working Days)	Syllabus to be covered	Remarks
January	Unit I: Nuclear Chemistry Nuclear stability, n/p ratio and binding energy. Radioactive decay series, radioactive equilibrium, artificial transmutation of elements using protons, neutron and their relative efficiency as projectiles. Induced radioactivity, radioactive isotopes and their uses in studying a mechanism of reactions.	
February	Unit II: d-Block elements General characteristics of transition metals with respect to electronic configuration, atomic size, ionization potential, variable oxidation states, magnetic property, colour and spectra. Explanation with reference to 3d series elements.	
March	f-Block elements Lanthanide series - electronic configuration, oxidation states, magnetic property, colour and spectra. Lanthanide contraction. Separation of lanthanides by ion exchange process.	
April		


Note:

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4. Closing day : 14/04/2020


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MONTHWISE TEACHING PLAN -2019-20
(EVEN SEMESTER)

Name of the Staff : Dr. Shivaraj Mulye Class : B.Sc. VIth Sem (6-2) Sub: CHEMISTRY

Month (Working Days)	Syllabus to be covered	Remarks
January 26 days	1) <u>Oils, fats & Waxes</u> :- Composition of oils, fats & waxes, Analysis of fats & oils, determination of Acid Value, iodine Value & Saponification value, & their importance. Manufacture of Soaps by Modern continuous method. Types of Soaps & Syndets.	
February 24 days	Merits and Demerits of Syndets over soaps, Cleansing action of Soaps & Syndets. 2) <u>Synthetic Dyes and Drugs</u> :- <u>Dyes</u> :- colour and constitution, chromophore theory, electronic concept, classifn. of dyes based on composition & Application. Chemistry and Synthesis of Methyl orange, Congo red, Malachite green, Crystal violet, Phenolphthalein, Fluorocin, Alizarin and Indigo. <u>Drugs</u> :- Elementary account of chemotherapy & chemotherapeutic agents - Antimalarials, Sulpha drugs, & Antibiotics. Mechanism of drug action. Synthesis and chemistry of Chloramine-T, Sulpha thiazole, Chloroquin & Sulphanilamide	
March 24 days	3) <u>Synthetic Polymers</u> :- Addn or chain growth reactn, Free radical, vinyl Polymn, ionic Vinyl-Ziegler-Natta Polymn. Cond. or step-growth polyms, Polyesters, Polyamides, Phenol-formaldehyde resins, Urea resins, epoxy resins & poly-urethanes, Natural & Synthetic polymers.	
April. 10 days	4) <u>Organic Synthesis Via Enolates</u> :- Acidity of α -hydrogens, Alkylation of diethyl malonate & Ethyl acetoacetate. Synthesis of Ethyl acetoacetate, claisen condensation (Mechanism), Keto-enol tautomerism of Ethyl acetoacetate. Alkylation and Acylation of Enamines.	

Note :

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

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MONTHWISE TEACHING PLAN 2019-20

(EVEN SEMESTER)

Name of the staff: Dr. Parvathi

Class: B.Sc IV Sem Sub: Chemistry

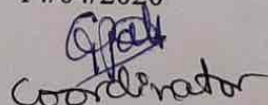
Month (Working Days)	Syllabus to be covered	Remarks
January	Unit V Physical properties of liquids Surface tension: its determination by using stalagmometer, parachor and chemical constitution. Applications of parachors in deciding the structure of benzene and quinone. Effect of temperature on surface tension. Viscosity: Its determination by using Ostwald's viscometer. Effect of temperature on viscosity. Refractive index: Its determination by using Abbe's refractometer, specific and molar refractions.	
February	Unit VI Thermodynamics-II Second law of thermodynamics: Need for the law, different statements of second law, Carnot Cycle and its efficiency (to be derived). Entropy concept as a state function. Entropy changes of an ideal gas with change in volume and temperature, pressure and temperature (equations to be derived). Calculation of entropy changes in reversible, isothermal, isobaric and isochoric processes. Physical significance of entropy. Free energy-Helmholtz and Gibb's Free energy and their relationship. Significance of free energy change, criteria for spontaneity and equilibrium. Numerical problems	
March	Unit VII Spectroscopy Introduction: Electromagnetic radiations, regions of the spectrum, basic features of different spectrometers, statement of the Born-Oppenheimer approximation, degrees of freedom. Rotational spectrum: Diatomic molecules: Energy levels of rigid rotors (Semi-classical principles), Selection rule, spectral intensity, distribution using population distribution (Maxwell-Boltzmann distribution). Determination of bond length, isotope effect	
April	Vibrational Spectrum: Infrared spectrum: Energy levels of simple harmonic oscillators, selection rule, pure Vibrational spectrum, intensity, determination of force constant and qualitative relation of force constant and bond energies.	

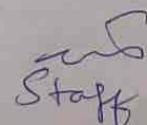
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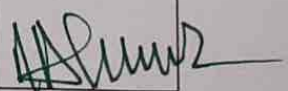
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4. Closing day : 14/04/2020


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MONTHWISE TEACHING PLAN 2019-20

(EVEN SEMESTER)

Name of the staff: Dr. Parveen Rajesab

Class: B.Sc IV Sem Sub: Chemistry


Month (Working Days)	Syllabus to be covered	Remarks
January	Unit III: Aldehydes and ketones Synthesis of aldehydes from acid chlorides, synthesis of ketones from nitriles and carboxylic acids. Structure, reactivity and properties of carboxyl group.	
February	Mechanism of nucleophilic addition reactions-Benzion, Aldol, Perkin's, Cannizarro, Knoevengal condensations. Mannich reactions, Clemmensen, Wolf-Kishner, LiAlH_4 , NaBH_4 reductions. Halogenation of enolisable ketones.	
March	Unit IV: Stereochemistry Optical isomerism: Chirality, Le Bel-Vant Hoff's hypothesis, elements of symmetry, optical activity, D and L configurations, R and S notations, Sequence and priority rules, enantiomers, diastereoisomers, racemic and meso (with suitable examples such as lactic and tartaric acids).	
April	Geometrical isomerism: Geometrical isomerism in maleic acid and fumaric acids. Determination of configurations of geometrical isomers. Nomenclature of geometrical Isomers- E Z system. Geometrical isomerism in oximes, Backmann Rearrangements	

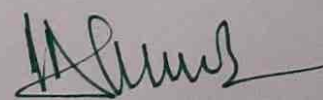
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MONTHWISE TEACHING PLAN 2019-20

(EVEN SEMESTER)

Name of the staff: Dr. Parveen Rajesab Class: B.Sc II Sem

Sub: Chemistry

Month (Working Days)	Syllabus to be covered	Remarks
January	UNIT-3: Arenes & Aromaticity: Nomenclature of benzene derivatives, modern concept of structure of benzene (including molecular orbital picture), Aromaticity, Huckel's rule (examples-benzene naphthalene, anthracene and phenanthrene).	
February	Aromatic electrophilic substitution, general pattern of the mechanism, role of σ and π complexes. Mechanism of nitration, halogenation, sulphonation, mercuratin and Friedel Crafts reaction. Energy profile diagrams. Activating and deactivating substituents. Orientation-Rules of orientation, orienting influence of substituents in toluene, chlorobenzene, nitrobenzene and phenol. Orientation in disubstituted benzene. Side chain oxidation reactions of benzene, Birch reduction.	
March	UNIT-4: Aliphatic and Aromatic Nitro Compounds: Preparation and properties of Aliphatic and Aromatic nitro compounds, reduction of nitrobenzene in acid alkali and neutral medium. Electrophilic and nucleophilic substitution reactions of nitrobenzene.	
April	UNIT-5: Nernst Distribution Law: Statement and derivation, Modification of law when solute associates and dissociates in one of the solvents. Application of law to solvent extraction process. Numerical problems (Minimum five problems should solved).	

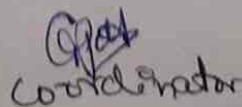
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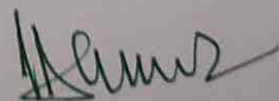
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Parveen
Staff

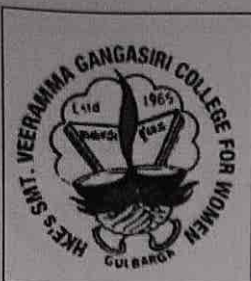

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MONTHWISE TEACHING PLAN 2019-20
(EVEN SEMESTER)

Name of the staff: Dr. Padveer R. Class: B.Sc VI Sem Sub: Chemistry 6.1.

Month (Working Days)	Syllabus to be covered	Remarks
January	<u>Inorganic chemistry. 6.1</u> <u>Industrial chemistry</u> a) <u>Electroplating: Principles & practice, Electroplating of Ni, Au & Co.</u>	
February	b. <u>cement: Raw materials, Manufacture by Dry Process, mechanism of setting of cement -</u> c. <u>Glass: Raw materials, manufacture, types of glasses & their composition and uses.</u>	
March	<u>Metallurgy: Extraction of uranium from Pitch blends and extraction of thorium from monazite sand</u> <u>Principles of Gravimetric analysis: -</u> <u>Rules of conditions of Precipitation</u>	
April	<u>Purification of PPT. Types of PPT</u> <u>Co & Post Precipitation. Effect of temp</u> <u>pH complex formation digestion</u> <u>filtration, washing, drying & ignition.</u>	

Note:

- | | | |
|----------------------------|---|------------|
| 5. Opening day | : | 01/01/2020 |
| 6. Commencement of classes | : | 09/01/2020 |
| 7. Completion of syllabus | : | |
| 8. Closing day | : | 14/04/2020 |

Pass
Staff

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HEAD

CHEMISTRY DEPARTMENT
SMT VG COLLEGE FOR WOMEN
GULBARGA - 585 102

[Signature]
Coordinator

[Signature]

ಪ್ರಾಚಾರ್ಯರು
ಶ್ರೀಮತಿ ಕೀರಮ್ಮ ಗಂಗಾಸಿರಿ ಮಹಿಲಾ
ಮಹಾವಿದ್ಯಾಲಯ, ಗುಲ್ಬರ್ಗಾ.



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 2019-20

(EVEN SEMESTER)

Name of the staff: Mamata

Class: B.Sc II Sem

Sub: Chemistry


Month (Working Days)	Syllabus to be covered	Remarks
January		
February	UNIT-1: s-Block Elements: Alkali metals: Comparative study of properties of group IA elements. Chemical properties -reactivity of metals, action of air and water, hydrogen, comparative study of properties of compounds of alkali metals such as oxides and peroxides, bicarbonates, hydroxides, carbonates, halides and nitrates. Alkaline Earth Metals: Comparative study of properties of Group IIA elements, properties, electronic configuration, melting and boiling points, softness, density, ionisation energy, hydration of ions, electropositive character, flame colouration and its causes. carbonates, sulphates and halides (solubility, thermal decomposition, amphoteric and basic nature, reaction with water, formation of more soluble bicarbonates from carbonates, deliquescent property wherever applicable).	
March	UNIT-2: p-Block Element: Comparative study of Boron family elements with respect to electronic configuration, atomic radius, ionisation energy and electron affinity. Diagonal relationship between boron and silicon. Preparation, properties, uses, and structure of diborane, borazole. Comparative study of Carbon family elements with respect to electronic configuration, atomic radius, ionisation energy, electron affinity. Structural features of diamond and graphite. Halogens: Structure of iodic acid and iodine pentoxide, pseudohalogens and interhalogens.	
April	UNIT-6: Liquid Mixtures: Different types with examples, binary mixtures of completely miscible liquids -types with examples,. Raoult's law of vapour pressure. Vapour- composition and boiling point -composition curves for the above types. Principles of fractional distillation. UNIT-7: Phase Equilibria: Phase rule - definition and explanation of terms involved. Application to one component systems (water and sulphur system) and two component systems (lead-silver system and KI -H ₂ O system). Freezing mixtures.	

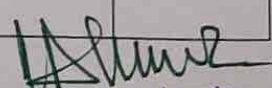
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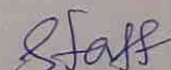
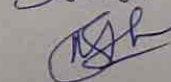
1. Opening day : 01/01/2020
2. Commencement of classes : 09/01/2020
3. Completion of syllabus :
4. Closing day : 14/04/2020


HEAD

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


Coordinator


ವ್ಯಾಜಾಯಕರು
ಶ್ರೀಮತಿ ದೀಪ್ತಿ ಗಂಗಸಿರಿ ಮಹಿಳಾ
ವಕಾಲಿದ್ಯಾಲಯ, ಕಲಬುರಗಿ.


Staff




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 2019-2020
(EVEN SEMESTER)



Name of the staff: Smt.Sapna Sherikar Class: B.SC IISem Sub: Adv C Programming

Month (Working Days)	Syllabus to be covered	Remarks
DEC (13DAYS)		
JAN (26 DAYS)	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 in function. 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.. 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.	
FEB (24 DAYS)	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.	
MAR (24 DAYS)	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,	
APR (10 DAY)	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.	

1. OPENING DAY:

:16/12/2019

2. END OF SEMESTER:

:15/04/2020)

3. VACATION:

:17/04/2020

Sapna Sherikar
STAFF

C. G. Patil
ACADEMIC COORDINATOR

Smt. V. G. Degree College for Women
PRINCIPAL

PRINCIPAL

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GULBARGA

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



H.K.E. SOCIETY'S
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MONTHWISE TEACHING PLAN 2019-2020
(EVEN SEMESTER)

Name of the staff: Smt. SHWETA KOTE

Class: B.SC IV Sem

Sub: DBMS

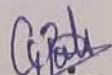
Month (Working Days)	Syllabus to be covered	Remarks
Dec (13 Days)	UNIT I Introduction: Purpose of Database Systems, View of Data, Database Languages, Database Design, Data Storage and Querying	
Jan {26 Days}	UNIT I Transaction Management, Database Architecture, Database Users and Administrators. UNIT II Introduction to the Relational Model: Structure of Relational Databases, Database Schema, Keys, 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.	
Feb (24 Days)	UNIT III Nested Subqueries, Modification of the Database, Join Expressions, Views, Transactions, Integrity Constraints, SQL Data Types and Schemas, Functions and Procedures, Triggers. 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	
Mar (24 Days)	UNIT IV Entity-Relationship Design Issues, Extended E-R Features. 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.	

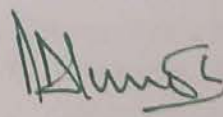
1. Opening Day: 16thDec2019

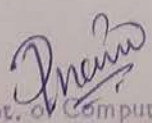
2. End of Semester: 15thApr2020

3. Vacation: 17thApr2020


Staff


Academic Coordinator


Principal
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GULBARGA.


Dept. of Computer Science
Smt. V. G. Womens College,
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MONTHWISE TEACHING PLAN 2019 - 2020
(Even Semester)

Name of the staff: Smita patil

Class: B.Sc VI Sem

Sub: 6.1 VB 6.0

MONTH (WORKING DAYS)	SYLLABUS TO BE COVERED	REMARKS
DEC (13 DAYS)	--	
JAN (26 DAYS)	<p>UNIT - I: Introduction to VB: Integrated Development Environment- Menu Bar, Tool Bar, Form Designer, Project Explorer, Properties Window, Form Layout Window, The VB Editor.</p> <p>UNIT - II: The Form Object: Properties, events and methods of Forms; Properties- Name, Caption, Backcolor, Borderstyle, ControlBox, MaxButton, Minbutton, Moveable, Startup position, height, width, left, top, Scalemode, Windows State.</p> <p>UNIT - III: Events, Methods :Events- Load, Unload, Click, Activate, Deactivate, Resize, Methods- Show, Hide, Cls, Unload, Print.</p> <p>UNIT IV Controls : Controls- Properties and events of different controls such as Command buttons, Labels, Textboxes, Image Controls,</p>	
FEB (24 DAYS)	<p>Timer, Horizontal and Vertical Scrollbars, Option Buttons, Checkbox, Frames, Lists and Comboboxes. Pre-Defined Dialog Boxes- MsgBox and InputBox.</p> <p>UNIT - V: Programming in VB: Data Types, variables, declaration and Scope, Arithmetic operations, Study of form and code modules, private and public procedures. Main() procedure, Subs and Functions, Mathematical and String functions.</p> <p>UNIT - VI: Branching and Looping statements If-Then, If-Then-Else, and Nested If statements Architecture; An Applet skeleton;</p>	
MAR (24 DAYS)	<p>Select-case different forms, For-Next, While-Wend and Do-Looping Statements;</p> <p>UNIT - VII: Arrays: Array declaration, static and dynamic Arrays, Array() Function; Menus, and Toolbars- creating menus and toolbars, working with the menu editor, Designing Multiple Document Interfaces Forms, Microsoft Common Controls.</p> <p>UNIT - VIII: OOP: Methods and Properties of an Object, Class Modules, Encapsulation and Inheritance characteristics; Dynamic Link Libraries(DLLs), Windows API, Designing Help Files</p>	
APR (10 DAY)	File Handling- Sequential, Random Access and Binary files; Database Connectivity- DAO and ADO Tables and Queries. ActiveX Data Objects	

1. OPENING DAY: :16/12/2019
 2. END OF SEMESTER: :15/04/2020)
 3. VACATION: :17/04/2020

Smita Patil
 STAFF

CPat
 ACADEMIC COORDINATOR

Smt. V.G.
 PRINCIPAL

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Pravin
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MONTHWISE TEACHING PLAN 2019 - 2020
(Even Semester)

NAME OF THE STAFF: SMT. PREMILA S TORAN

CLASS: B.SC VI SEM

SUB: 6.2 JAVA

MONTH (WORKING DAYS)	SYLLABUS TO BE COVERED	REMARKS
DEC	--	
JAN (26 DAYS)	UNIT - I: Introduction: Java and Java applications: Java Development Kit (JDK); Java is interpreted, Byte Code, JVM; Object-oriented programming; Simple Java programs. UNIT - II: Data Types and Java Tokens: Boolean variables, int, long, char, operators, arrays, white spaces, literals, assigning values; Creating and destroying objects; Access Specifiers. UNIT - III: operators, Expressions and Control Statements: Arithmetic Operators, Bitwise operators, Relational operators, The Assignment Operator, The ? Operator, Operator Precedence; Logical Expression; Type Casting, Strings. Selection statements, iteration statements, Jump Statements.	
FEB (24 DAYS)	UNIT - IV: Classes, Inheritance and Exceptions: Classes: Classes in Java; Declaring a class; Class name, Super classes; Constructors; Creating instances of class; Inner classes. Inheritance: Simple, multiple, and multilevel inheritance; Overriding, Overloading. Exception handling: Exception handling in Java. UNIT - V: Applets: The Applet Class: Two types of Applets; Applet basics; Applet Architecture; An Applet skeleton;	
MAR (24 DAYS)	Simple Applet display methods; Requesting repainting; The HTML APPLET tag; Passing parameters to Applets; Output to the console. UNIT - VI: Multi Threaded Programming: Multi Threaded Programming; What are Threads? How to make the classes threadable; Extending threads; Implementing runnable; Synchronization. UNIT - VII: Graphics Programming: Introduction, The Graphics Class, Lines And Rectangles, Circles, Drawing Arcs, Drawing Polygons, Drawing Bar Charts.	
APR (10 DAY)	UNIT - VIII: Event Handling: Two event handling mechanisms; The delegation event model; Event classes; Sources of events. Simple programs. Revision, Tests	

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| 1. OPENING DAY: | :16/12/2019 |
| 2. END OF SEMESTER: | :15/04/2020 |
| 3. VACATION: | :17.04.2020 |

Premila S Toran
 STAFF

Premila S Toran
 ACADEMIC COORDINATOR

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Premila S Toran
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 AFFILIATED TO AKKAMAHADEVI WOMEN'S UNIVERSITY, VIJAYAPURA



MONTHWISE TEACHING PLAN 2019-2020
 (EVEN SEMESTER)

Name of the staff: Smt.Sapna Sherikar Class: B.Com IV Sem Sub: MS-EXCEL & C-PROGR

Month (Working Days)	Syllabus to be covered	Remarks
DEC (13DAYS)		
JAN (26 DAYS)	<p>UNIT I –MS-Excel:-concept of spreadsheet, standard Button bar, Formatting Toolbar, formulabar, 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> <p>UNIT III –. Introduction to Programming in 'C': Introduction, Importance of 'C', Basicstructure of 'C' Program. Executing a 'C' Program. Constants, Variables, C-tokens: Keywordsand identifiers. Data types. Declaration of Variables, Assigning values to variables. Defining symbolic constants.</p>	
FEB (24 DAYS)	<p>. UNIT IV – Input and Output Statements: Reading a Character, Writing a Character, scanf(),printf(), rules for input statements, examples. 6 hrs</p> <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, else..if Ladder . The switch statement, the ?: Operator, The goto statement. while statement, do...while statement and forstatement. Jumps in loops.</p>	
MAR (24 DAYS)	<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>	
APR (10 DAY)	String variables, String Handling functions with examples.	

Sapna Sherikar
 STAFF

Sapna Sherikar
 ACADEMIC COORDINATOR

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Sapna Sherikar
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 Smt. V. G. Womens College,
 GULBARGA.



MONTHWISE TEACHING PLAN 2019 - 2020
(Even Semester)

Name of the staff: **Smita patil & Smt.Premila S Toran**

Class:**B.Com VI Sem**

Sub:**VB 6.0 & E-Commerce**

MONTH (WORKING DAYS)	SYLLABUS TO BE COVERED	REMARKS
DEC (13 DAYS)	--	
JAN (26 DAYS)	Introduction to GUI Programming, Start-up object, Programming Style, Opening a Project and saving, Form, VB IDE, Tool box, Project Explorer Window, Properties Windows, Immediate Window, Form Layout Window, Adding a new form to the current Project, Removing the available form(s) from the current Project,	
FEB (24 DAYS)	Developing simple applications Textbox, Label, Command button, Option button, Frame, Check box, Timer etc. Simple applications Data types in VB, Declaring a variable, scope of variables, Control structures, Loops, Simple applications, Types, creation and usage of arrays in VB,	
MAR (24 DAYS)	Creating MDI documents, Functions and Procedures in VB, Types of built-in functions in VB, Developing simple applications Introduction to E-Commerce, Defining E-Commerce, Interacting with the customer, Application and session objects in E-Commerce application Working with files in E-Commerce application, Building Product Catalog Database, Displaying products, Searching for products Building the transaction	
APR (10 DAY)	Databases, Building the Shopping Cart, Checking Out, Working with Credit Cards, Letting customers track their address	

- 1. OPENING DAY: :16/12/2019
- 2. END OF SEMESTER: :15/04/2020)
- 3. VACATION: :17/04/2020

Smita Patil
Premila S Toran
STAFF

G. J. Patil
ACADEMIC COORDINATOR

Alankar
PRINCIPAL
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Premila S Toran
 Dept. of Computer Science
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MONTHWISE TEACHING PLAN 2019-20 (Even Semester)

Name of the Staff: Dr. Veen a PH Class: Bsc **II** Sem Sub: Maths

Month (Working Days)	Syllabus to be covered	Remarks
Dec-2019 (13 days)	Introduction about the syllabus - & about the no. of papers, internal tests conditions - marks distribution - explained	
Jan-2020 (26 days)	II unit Successive Differentiation - std. formula for e^{ax} $\sin(bx+c)$ - problems	
Feb-2020 (24 days)	std - on th derivative formula for $e^{ax}\cos(bx+c)$ - and problems there on	
March-2020 (24 days)	Eulers thro for homo geneous fun ^s - problems	
April-2020 (10 days)	LOCK DOWN	

- Note: 1. Commencement of II, IV & VI Sem Classes : 16.12.2019
 2. End of II, IV & VI Sem Classes : 15.04.2020
 3. Commencement of Vacation for Teachers : 17.04.2020

ACADEMIC COORDINATOR

Dr. Veen a P.H.
 HOD
 M.Sc, Ph.D.

Professor & H.O.D.
 Dept. of Mathematics
 Smt. V.G. Degree College for Women
 Gulbarga-585101

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MONTHWISE TEACHING PLAN 2019-20 (Even Semester)

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

Month (Working Days)	Syllabus to be covered	Remarks
Dec-2019 (13 days)	Due to valuation and practical Exams, students were not available upto Dec 22, From 23, Dec class started - syllabus and introduction of all three papers, about internal tests, marks distribution & - 6.1 Paper started	
Jan-2020 (26 days)	Paper 6.1 - Errors & Solutions of non-linear eqns - upto Gauss-Seidal M Paper 6.2 - Trigonometry I unit - upto Continuity & Differentiability Paper 6.3 - Theory of graphs with Basic defns	
Feb-2020 (24 days)	Paper 6.1 - Finite Differences - Fourth order RungeKutta method Paper 6.2 - Complex line integration - Improper Integrals ^{half} completed	
March-2020 (24 days)	Improper integrals continued - Paper 6.2 - Livolleles Thm Paper 6.3 - cut set Eulerian and Hamiltonian graphs March - 18 th - Lockdown started	
April-2020 (10 days)		

- Note: 1. Commencement of II, IV & VI Sem Classes : 16.12.2019
2. End of II, IV & VI Sem Classes : 15.04.2020
3. Commencement of Vacation for Teachers : 17.04.2020

ACADEMIC COORDINATOR

Dr. Veena P.H.
M.Sc., Ph.D.

Professor & H.O.D.
Dept. of Mathematics

Smt. V.G. Women's Cr. 2,

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MONTHWISE TEACHING PLAN 2019-20 (Even Semester)

(Part time)

Name of the Staff: Ambika Patil Class: B.Sc II sem Sub: Math's

Month (Working Days)	Syllabus to be covered	Remarks
Dec-2019 (13 days)		
Jan-2020 (26 days)	<u>Unit-I</u> : Continuity and Differentiability. - Recapitulation of limits, continuity & differentiability. Roll's them & problems.	
Feb-2020 (24 days)	Lagrange's theorem, problems, CMVT, Taylor's theorem, Maclaurin's series and problems on these thems.	
March-2020 (24 days)	L'Hospital rule to solve indeterminate forms. <u>Unit-III</u> : Functions of two or more variables started	
April-2020 (10 days)	Lockdown.	

- Note: 1. Commencement of II, IV & VI Sem Classes : 16.12.2019
2. End of II, IV & VI Sem Classes : 15.04.2020
3. Commencement of Vacation for Teachers : 17.04.2020

ACADEMIC COORDINATOR

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

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MONTHWISE TEACHING PLAN 2019-20 (Even Semester)

Name of the Staff: Ambika Patil Class: B.Sc. IV Sem Sub: Math's

Month (Working Days)	Syllabus to be covered	Remarks
Dec-2019 (13 days)		
Jan-2020 (26 days)	Introduction about Syllabus, Unit-III: Line & multiple Integrals, completed Unit-II: Differential Equations Started	
Feb-2020 (24 days)	Continuation of unit-II, I.F, First order & higher degree eqn, with four types & problems Problems on P.I of e^{ax} , x^n , $\sin ax$, $\cos ax$ & so on.	
March-2020 (24 days)	Cauchy-Euler D.E of order two Unit-I: Abstract algebra, Groups, Subgroups, cyclic groups & cosets & problems.	
April-2020 (10 days)		

- Note: 1. Commencement of II, IV & VI Sem Classes : 16.12.2019
 2. End of II, IV & VI Sem Classes : 15.04.2020
 3. Commencement of Vacation for Teachers : 17.04.2020

ACADEMIC COORDINATOR

Dr. Veena P.H.
 H.O. M.Sc., Ph.D.
 Professor & H.O.D.
 Dept. of Mathematics,
 Smt. V.G. Degree College for Women,
 Kalaburagi - 585111

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MONTHWISE TEACHING PLAN 2019-20 (Even Semester)

Name of the Staff: Neelakshi S. D. Class: 1st Year VI sem (6.1) Sub: Zoology

Month (Working Days)	Syllabus to be covered	Remarks
Dec-2019 (13 days)	Introduction to deopt Zoology Branches, scope & theories.	
Jan-2020 (26 days)	Gametogenesis: Spermatogenesis & Oogenesis & Comparison. Fertilization: kinds & process, Mono- spermy, polyspermy & significance of fertilization. cleavage: Types - Holo, meroblastic, radial, spiral types & effects. Effect of yolk.	
Feb-2020 (24 days)	Early deopt & Prog: structure & origin cleavage, blastulation & Gastrulation. Early deopt of chick: Hens egg deopt origin & site of primitive streak, 24 hrs & 48 hrs chick embryo, extra embryonic membranes, Repro system & Early deopt in	
March-2020 (24 days)	Placenta: - classification, E. type, site & function of placenta - yolk sac, allantois etc. Modern trends in human reproduction Sperm bank, cloning (IVF-ET), S. Mother Twins. Absohr factors: Light & Temp. Community ecology: - Site stability, ecotone edge effect, E. Nichol. Population ecology: Density, Natality, Mortality, Distributer, p. faults, Biotic potential & principles.	
April-2020 (10 days)		

Note: 1. Commencement of II, IV & VI Sem Classes : 16.12.2019
 2. End of II, IV & VI Sem Classes : 15.04.2020
 3. Commencement of Vacation for Teachers : 17.04.2020


 ACADEMIC COORDINATOR


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


 PRINCIPAL

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MONTHWISE TEACHING PLAN 2019-20 (Even Semester)

Name of the Staff: Dr. Neelakanti S. Wali Class: Bsc IV sem. Sub: zoology.

Month (Working Days)	Syllabus to be covered	Remarks
Dec-2019 (13 days)	Introduction to physiology.	
Jan-2020 (26 days)	<u>Respiration</u> :- Types of Respiration, Respiratory pigments, Exchange of gases. - Transport of O ₂ & CO ₂ . <u>Nitrogen Excretion</u> :- Nitrogen excretion in aquatic & terrestrial animals. Ammonia, Urea, Uricotichous.	
Feb-2020 (24 days)	Ornithine cycle, physiology of Urine formation. Introduction to Biochemistry. Vitamins: Fat & water soluble vitamins.	
March-2020 (24 days)	Enzymes:- classification of enzymes Mechanism of Enzyme action - Lock & Key method, & induced fit hypothesis. co-factors, Bioenergetics:- Glycolysis, Krebs cycle & E.T.S.(TO)	
April-2020 (10 days)		

- Note: 1. Commencement of II, IV & VI Sem Classes : 16.12.2019
2. End of II, IV & VI Sem Classes : 15.04.2020
3. Commencement of Vacation for Teachers : 17.04.2020


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MONTHWISE TEACHING PLAN 2019-20 (Even Semester)

Name of the Staff: *Dr Chandrakala* Class: *II Sem* *Biology of chordata & Osteology* Sub: *Zoology*

Month (Working Days)	Syllabus to be covered	Remarks
Dec-2019 (13 days)	<i>Reptilia: General characters and classification upto order with eg Snakes of India - Poisonous - Cobra, Hydrophis</i>	
Jan-2020 (26 days)	<i>Non-Poisonous - Python, Typhlop. Key for Identification of Poisonous and non-Poisonous Snakes of India Mammalia: General characters & classification upto sub-class with suitable examples.</i>	
Feb-2020 (24 days)	<i>Type study of Rat: Morphology digestive, Arterial & Venous system</i>	
March-2020 (24 days)	<i>Reproductive system of Rat. General characters with suitable examples of cyclostomata. General organization of Petromyzon. (Brief)</i>	
April-2020 (10 days)	<i>Fishes: - General characters of fishes. Types of scales & fins</i>	

- Note: 1. Commencement of II, IV & VI Sem Classes : 16.12.2019
 2. End of II, IV & VI Sem Classes : 15.04.2020
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MONTHWISE TEACHING PLAN 2019-20 (Even Semester)

Cell Biology - 6.1

Name of the Staff: Dr. Chandrakala Class: B & VI Sem

Sub: Zoology

Month (Working Days)	Syllabus to be covered	Remarks
Dec-2019 (13 days)	Cell cycle: Mitosis and Meiosis, Regulation of cell cycle.	
Jan-2020 (26 days)	Cell organelles:- Structure and functions of Golgi Complex, Endoplasmic reticulum, Mitochondria, lysosomes, Plasmamembrane	
Feb-2020 (24 days)	Ribosomes, Centriole, Nucleus. Biology of Cancer:- Types of cancer Characteristic of cancer cell, Carcinogenic agents (Physical, chemical & biological). Light & Electron microscope.	
March-2020 (24 days)	Cell Theory - Microscopes. Compound & Electron microscope.	
April-2020 (10 days)		

- Note: 1. Commencement of II, IV & VI Sem Classes : 16.12.2019
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MONTHWISE TEACHING PLAN 2019-20 (Even Semester)

Name of the Staff: *Dr. Chandrakla* Class: *B.Sc VI Sem* Sub: *Zoology*
Ecology & Zoogeography
Wildlife Biology

Month (Working Days)	Syllabus to be covered	Remarks
Dec-2019 (13 days)	<i>Introduction to the Subject Ecology & Zoogeography.</i>	
Jan-2020 (26 days)	<i>Animal Relationship:- Mutualism Commensalism, Parasitism, Ammensalism, Predation and Competition with relevant Examples.</i>	
Feb-2020 (24 days)	<i>Habitat Ecology:- Marine Habitat- Physico-chemical features & Pelagic & Deep sea adaptations Fresh water - Physico-chemical features of lentic & lotic lotic water bodies - adaptations fauna.</i>	
March-2020 (24 days)	<i>Terrestrial habitat:- A brief account of Biomes Tundra, Taiga, Grasslands, Desert, Deciduous. Faunal adaptations to desert conditions. Wildlife:- Definition, Wildlife Problems, Hunting, over harvesting, Habitat loss.</i>	
April-2020 (10 days)	<i>Ex-Situ Conservation, In-Situ Conservation Distribution of wild life in India Realms and Geographic distribution</i>	

- Note: 1. Commencement of II, IV & VI Sem Classes : 16.12.2019
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MONTHWISE TEACHING PLAN 2019-20 (Even Semester)

Name of the Staff: Dr. Jargana Jabun Class: B.Sc II Semester Sub: Zoology

Month (Working Days)	Syllabus to be covered	Remarks
Dec-2019 (13 days)	Unit:1 A: Introduction to chordata: General characters & outline classification of Ph: chordata upto classes with examples.	
Jan-2020 (26 days)	General characters of Sub Phylum: Hemichordata, Urochordata, Cephalochordata & Vertebrata. Unit:3 Amphibia: General characters & classification upto orders. Ecology & distribution of Ichthyophis, Hyla, Bufo, Salamander.	
Feb-2020 (24 days)	Unit:5 Aves: General characters & classification upto orders with suitable examples. Flight adaptations of birds. Economic importance of birds.	
March-2020 (24 days)	Unit:7 Osteology Frog & Rabbit: Axial & Appendicular Skeleton (Skull excluded)	
April-2020 (10 days)		

- Note: 1. Commencement of II, IV & VI Sem Classes : 16.12.2019
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MONTHWISE TEACHING PLAN 2019-20 (Even Semester)

Name of the Staff: Dr. Farzana Tabeen Class: B.Sc IV Semester Sub: Zoology

Month (Working Days)	Syllabus to be covered	Remarks
Dec-2019 (13 days)	Physiology : Introduction Endocrine system : Functions of mammalian endocrine glands - Pituitary gland	
Jan-2020 (26 days)	Contd Endocrine system : Thyroid, parathyroid, adrenal, testis, ovary & Placenta. Hormonal changes in women	
Feb-2020 (24 days)	<u>Circulation</u> : Type of circulation, structure functions & regulation of human heart, blood pressure, composition of human blood, neurogenic & myogenic heart. <u>Muscle contraction</u> : Principle type of muscles. Ultrastructure of striated muscle. Contractile proteins. Mechanism of muscle contraction <u>Digestion</u> : Mechanical & chemical digestion of proteins, carbohydrates & lipids	
March-2020 (24 days)	<u>Nervous coordination</u> : Structure of neuron, Nature & conduction of nerve impulse - Synaptic transmission & neuromuscular junction. Physiology : Branches of physiology	
April-2020 (10 days)		

- Note: 1. Commencement of II, IV & VI Sem Classes : 16.12.2019
2. End of II, IV & VI Sem Classes : 15.04.2020
3. Commencement of Vacation for Teachers : 17.04.2020

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MONTHWISE TEACHING PLAN 2019-20 (Even Semester)

Name of the Staff: Dr. Farzana Tabeen Class: B.Sc VI Sem

Sub: Zoology (6.2)

Month (Working Days)	Syllabus to be covered	Remarks
Dec-2019 (13 days)	<u>Ecosystem</u> : Components & functions of ecosystem.	
Jan-2020 (26 days)	<u>Contd Ecosystem</u> : Natural ecosystem & man engineered ecosystem. Laws of thermodynamics - Energy flow in ecosystem, types of food chains with example, Food web, ecological pyramids. Study of ponds as typical ecosystem.	
Feb-2020 (24 days)	<u>Environmental Pollution</u> : Definition, Pollutants & types of pollution - Air, water & soil pollution - Sources, effect & control.	
March-2020 (24 days)	Zoogeography & wild life biology. Agencies engaged in wild life conservation IBWL, WII, CZA, BNHS, Project tiger Wild life protection act 1972, WWF, CITES, Ramsar Convention, TRAFFIC, IUCN, Red data book.	
April-2020 (10 days)		

- Note: 1. Commencement of II, IV & VI Sem Classes : 16.12.2019
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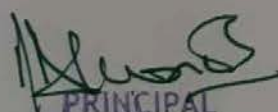
MONTHWISE TEACHING PLAN 2019-20

Dr. Basavarajeshwari (Odd Semester) [Biotechnology]
Name of the Staff: Ananta Class: BSc I Semester Sub: cell biology & cytogenetics

Month (Working Days)	Syllabus to be covered	Remarks
June (24 days)	Cell theory, Ultrastructure of Plant & animal cells, different types of cells.	
July (27 days)	cell organelles, chromosomes	
Aug (25 days)	Mutation, Mendelism cell cycle	
Sept (23 days)	Gametogenesis Allosomal & autosomal disorders.	
Oct (15 days)	Sex determination	

- Note: 1. Opening Day : 01.06.2019
2. Commencement of Classes: III & V Sem(12.06.2019) & I Sem(20.06.2019)
3. Completion of Syllabus : III & V Sem(10.10.2019) & I Sem(19.10.2019)
4. Closing Day : 21.10.2019


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MONTHWISE TEACHING PLAN 2019-20

Dr. Basavarajeshwari Awant (Odd Semester)

Plant & Animal

Name of the Staff:

Class: Bsc. V Semester

Sub: Biotechnology (S-2)

Month (Working Days)	Syllabus to be covered	Remarks
June (24 days)	Plant tissue culture	
July (27 days)	Animal cell culture, Callus culture Animal tissue culture media	
Aug (25 days)	Embryoculture, Micropropagation, primary culture, cell lines & clones	
Sept (23 days)	Protoplast isolation, & fusion Somatic hybridization in crop improvement. Appn of animal cell culture in regenera- tive medicine, IVF, Marker studies in crop plants	
Oct (15 days)	In vitro haploid production & their appn Somatic variations. Plant secondary metabolites. Appn of BT in apiculture, Sericulture & aquaculture.	

- Note: 1. Opening Day : 01.06.2019
2. Commencement of Classes: III & V Sem(12.06.2019) & I Sem(20.06.2019)
3. Completion of Syllabus : III & V Sem(10.10.2019) & I Sem(19.10.2019)
4. Closing Day : 21.10.2019

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MONTHWISE TEACHING PLAN 2019-20

Smt. Mangala Bradar (Odd Semester)

microbiology
&
Sub: Immunology

Name of the Staff:

Class: III Sem.

Sub: Immunology

Month (Working Days)	Syllabus to be covered	Remarks
June (24 days)	1) Introduction & scope of microbiology. 2) Definition & history of microbiology.	
July (27 days)	Immunology unit -1 - A Introduction & scope of Immunology. B. Immunity types C. Antigens : types.	
Aug (25 days)	unit.2 - A : Antibodies. types. B. Ag - Ab reactions : RIA, ELISA precipitation, agglutination.	
Sept (23 days)	unit.3. A: organs & cells of Immune system B. Ab mediated immunity & cell mediated immunity. C. Allergy : Introduction.	
Oct (15 days)	C. Allergy : types, IgE mediated, antibody mediated, Immune complex mediated. T cells mediated & stimulated hypersensitivity reactions.	

- Note: 1. Opening Day : 01.06.2019
2. Commencement of Classes: III & V Sem(12.06.2019) & I Sem(20.06.2019)
3. Completion of Syllabus : III & V Sem(10.10.2019) & I Sem(19.10.2019)
4. Closing Day : 21.10.2019

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MONTHWISE TEACHING PLAN 2019-20

Smt. mangala. Bradar (Odd Semester)
Name of the Staff:

Class: III Sem.

microbiology
&
Sub: Immunology.

Month (Working Days)	Syllabus to be covered	Remarks
June (24 days)	1) Introduction & scope of microbiology. 2) Definition & history of microbiology.	
July (27 days)	Immunology unit -1 - A Introduction & scope of Immunology. B. Immunity types C. Antigens : types.	
Aug (25 days)	unit 2 - A : Antibodies. types. B. Ag - Ab reactions : RIA, EUSA precipitation, agglutination.	
Sept (23 days)	unit 3. A: organs & cells of Immune system B. Ab mediated immunity & cell mediated immunity. C. Allergy : Introduction.	
Oct (15 days)	C. Allergy : types, IgE mediated, antibody mediated, Immuno complex mediated. T cells mediated & stimulated hypersensitivity reactions.	

- Note: 1. Opening Day : 01.06.2019
2. Commencement of Classes: III & V Sem(12.06.2019) & I Sem(20.06.2019)
3. Completion of Syllabus : III & V Sem(10.10.2019) & I Sem(19.10.2019)
4. Closing Day : 21.10.2019

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MONTHWISE TEACHING PLAN 2019-20


(Odd Semester)


Name of the Staff: Smt. mangala B Class: V Sem

Sub: Genetic Engineering

Month (Working Days)	Syllabus to be covered	Remarks
June (24 days)	1) Introduction to g.E 2) Tools of g.E	
July (27 days)	2) Tools of g.E 3) gene cloning	
Aug (25 days)	4) Detection of clones. 5) Gene Library.	
Sept (23 days)	6) r-DNA technology for human welfare. 7) Human genome project & its implication.	
Oct (15 days)	8) Bioethy: Rules & regulations of formation handling & response of genetically modified organisms.	

- Note: 1. Opening Day : 01.06.2019
2. Commencement of Classes: III & V Sem(12.06.2019) & I Sem(20.06.2019)
3. Completion of Syllabus : III & V Sem(10.10.2019) & I Sem(19.10.2019)
4. Closing Day : 21.10.2019


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MONTHWISE TEACHING PLAN 2019-20

(Odd Semester)

Name of the Staff: Smt. Shilpa. B Class: B.Sc III Semester

Sub: 3¹ Microbiology & Immunology

Month (Working Days)	Syllabus to be covered	Remarks
June (24 days)		
July (27 days)	<u>Microscopy</u> :- Construction & working principles of different types of microscopes - compound, dark field, phase contrast, fluorescence & electron [scanning & transmission].	
Aug (25 days)	<u>2) Microbial taxonomy</u> :- <u>(A) general characters of viruses & bacteria.</u> - viruses - structure & classification of animal viruses - hepatitis-B bacterial viruses - lambda phage	
Sept (23 days)	<u>(B) Pathogenic micro-organisms</u> <u>(C) Culturing of micro-organisms.</u>	
Oct (15 days)	<u>(D) Microbial growth</u> - - nutritional requirements of micro-organisms. - bacterial growth curve.	

- Note: 1. Opening Day : 01.06.2019
2. Commencement of Classes: III & V Sem(12.06.2019) & I Sem(20.06.2019)
3. Completion of Syllabus : III & V Sem(10.10.2019) & I Sem(19.10.2019)
4. Closing Day : 21.10.2019

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MONTHWISE TEACHING PLAN -2019-20
(Odd Semester)

Name of the Staff : Dr. Shivaraj Mulga Class : B.Sc Vth Sem (5-1) Sub: CHEMISTRY

Month (Working Days)	Syllabus to be covered	Remarks
June (17 days)	1) <u>Heterocyclic Chemistry</u> - Molecular orbital picture and aromatic character of pyrrole, furan, thiophene and pyridine. Methods of formation and reactions of pyrrole, furan, thiophene and pyridine. Comp. of basicity of	
July (26 days)	pyrrole, pyridine, and piperidine. Condensed 5 & 6 membered heterocycles - preparation & reaction of <u>Hedde</u> & <u>Quinoline</u> . <u>Fischer-Indole Synthesis</u> and <u>Skraup Synthesis</u> .	
Aug. (25 days)	2) <u>Organometallic Compounds</u> :- <u>Grignard reagents</u> :- Preparation, reactions and structure. <u>Organozinc Compounds</u> :- Form & chemical reactions. <u>Organolithium Compds</u> :- Form & chemical reactions.	
Sept. (23 days)	3) <u>Organosulphur Compds</u> :- Nomenclature, structure, prepn & chem reactions of <u>Thiols</u> , <u>Thioethers</u> , <u>Sulphonacids</u> , <u>Sulphanamide</u> & <u>Sulphaguanidine</u> .	
Oct. (22 days)	4) <u>Spectroscopy of Organic Compounds</u> :- <u>UV-Spectroscopy</u> :- Principles & measurements, electronic excitation, simple chromophoric groups, conjugated systems, extended conjugation, aromatic system <u>Acetaldehyde</u> and <u>Benzaldehyde</u> & <u>Acetone</u> & <u>Acetophenone</u> . <u>Infrared Spectroscopy</u> :- Molecular vibrations, principles & measurements, absorption of common functional groups - NH_2 , -NH-OH , >C=N , $\text{-C}\equiv\text{N}$, >C=O , -COOR , <u>Finger print</u> region. Problems on UV and IR.	

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

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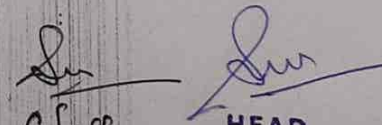
MONTHWISE TEACHING PLAN -2019-20
(Odd Semester)


Name of the Staff : Dr. Shivaram Mulagi Class : B.Sc. 5th Sem (S-2) Sub: CHEMISTRY

Month (Working Days)	Syllabus to be covered	Remarks
June (17 days)	1) <u>Coordination Compounds</u> :- Complex Salt & double salt Werner's theory of complex compds, Sidgwick's theory of EAN Types of Ligands, Mono & polydentate ligands & Ambidentate ligands.	
July (26 days)	Factors affecting the stability of complexes. Nomenclature, & Geometrical isomerism of C.N. 4 & 6.	
Aug. (25 days)	2) <u>Bonding in Coordination Compds</u> :- VBT, Pauling's assumptions Inner and Outer orbital complex. Form of complex on the basis of VBT, $[Cu(NH_3)_4]^{2+}$ $[Ni(CN)_4]^{2-}$ $[Ni(CO)_4]$ $[Fe(CN)_6]^{4-}$ $[Co(NH_3)_6]^{3+}$	
Sept. (23 days)	3) <u>Crystal Field Theory (CFT)</u> :- Imp. Features, Splitting of d-orbitals in tetrahedral and octahedral complexes. Low & high spin complexes. Explan of CFSE & its calculation for d^3, d^4, d^5, d^6 & d^8 ions in octahedral complexes. Factors affecting the magnitude of $10Dq$ or Δ_o .	
Oct. (22 days)	4) <u>Organic reagents in Inorganic analysis</u> :- Introduction, Significance, of organic reagents Preparation, properties and Structure of DMG, EDTA, Oxine and O-Phenanthroline Applications of each of the above reagents in inorganic qualitative and quantitative analysis.	

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


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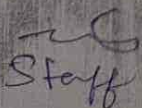
MONTHWISE TEACHING PLAN -2019-20
(Odd Semester)

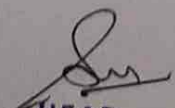
Name of the Staff : Dr Parvathi Class : BSc II S.I Sub: Chemistry

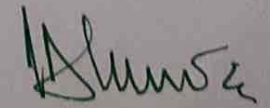
Month (Working Days)	Syllabus to be covered	Remarks
June (17 days)		
July (26 days)	Electrochemistry, cell constants, specific conductance, Equivalent-conductance, Kohlrausch's law, applications, ionic mobility, applications, conductometric titrations. Strong acid strong base	
Aug. (25 days)	Weak acid against strong base, Infinite dilution, catalysis, general characteristics, kinetics of acid-base catalyzed reactions. Autocatalysis	
Sept. (23 days)	oscillator reactions. Boscawen, Zhebo-wiski reactions. Boscawen and oxygenator models, catalytic reaction w. chemical equilibrium, equilibrium constant, free energy, Le Chatelier's principle.	
Oct. (22 days)	Reaction quotients, Gibbs free energy, Clausius Clapeyron equation, and its applications, Thermodynamic derivations.	

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


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MONTHWISE TEACHING PLAN -2019-20
(Odd Semester)

Name of the Staff: *Dr. Parvathi*

Class: *B.Sc III*

Sub: *Chemistry*

Month (Working Days)	Syllabus to be covered	Remarks
June (17 days)		
July (26 days)	monohydric alcohols, classification, chemical reactions, epiguard reagent, hydration of alcohols, C-O bond cleavage, hydrogen bonding in alcohols.	
Aug. (25 days)	Dihydric alcohols, oxidation, cleavage, pinacol-pinacol rearrangement, glycols, phenols, classification, phenoxide ion, aromatic substitution, acylation, carbonylation.	
Sept. (23 days)	Fries rearrangement, Hoesels reaction, Gattermann synthesis, Hoesel ladder, mannich reaction, Rieman-tiemann reaction, ethers & epoxides, physical	
Oct. (22 days)	properties, chemical reactions, autoxidation, Zitel's method, orientation of epoxide ring opening, epiguard reagent, epoxides, organolithium with epoxides.	

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

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ಮಹಾವಿದ್ಯಾಲಯ, ಕಲಬುರಗಿ



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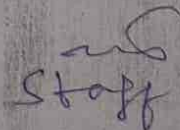
MONTHWISE TEACHING PLAN -2019-20
(Odd Semester)

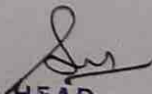
Name of the Staff : Dr Parvathi Class : B.Sc V S.2 Sub: Chemistry

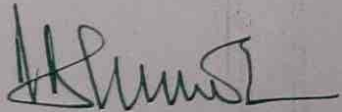
Month (Working Days)	Syllabus to be covered	Remarks
June (17 days)		
July (26 days)	Carbohydrates, monosaccharides, Osazone formation, epimerization, form of glycosides, D-glucose, D-fructose Red ⁿ of isolation, isoprene units, maltose, starch, cellulose, epimerization, alcohols	
Aug. (25 days)	ring dehydrating order, terpenoids, occurrence, isolation, isoprene unit synthesis, elucidation str of citral and α -terpenol, alkaloids, - classification, str synthesis of cocaine, Atropine.	
Sept. (23 days)	fine str of cocaine, Atropine. Vitamins, - classification, biological importance of vitamins, synthesis of vitamins C and D.	
Oct. (22 days)	Synthesis of Aldrenaline and Thyroxine. applications of vitamins	

- Note :**
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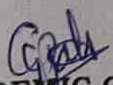
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MONTHWISE TEACHING PLAN -2019-20
(Odd Semester)

Name of the Staff : Dr. Parveen Rajwal Class : Bsc I semester Sub: Chemistry

Month (Working Days)	Syllabus to be covered	Remarks
June (17 days)	Unit-3: - <u>Reaction Mechanism</u> Types of bond cleavage, reactive intermediates-carbocation, carbanion, carbon free radical & carbenes. Types of reagents electrophiles & nucleophiles. Types of organic reaction, inductive resonance, hyperconjugation & electromeric effects. Types of organic reactions & mechanism. Effect of nature of alkyl groups nature of leaving groups, E1 & E2 elimination & rearrangement reactions.	
July (26 days)	Unit 4: - <u>Alkanes</u> : - General methods of Preparation. Relative reactivity of alkanes in halogenation. Free radical mechanism of chlorination of methane, Pyrolysis. <u>Cycloalkanes</u> : - Nomenclature, General methods of synthesis	
Aug. (25 days)	General reactions, stability of cycloalkanes. Baeyer's strain theory. Sachse-Mohr's theory of strain less rings. Unit 5: - <u>Alkenes</u> : -	
Sept. (23 days)	General methods of Preparation - Reactions of alkenes Mechanism of electrophilic addition of X_2 , HX , H_2O , Markovnikoff's rule, Peroxide effect, Hydroboration-oxidation, ozonolysis and its importance in the identification of alkenes. <u>Alkynes</u> : - General methods of preparation -	
Oct. (22 days)	Reactions of alkynes. Mechanisms of addition reactions. Acidic nature of alkynes. Formation of alkynides, oxidation with $KMnO_4$. Hydroboration-oxidation, metal-ammونيا reductions, chloroacetylene synthesis and uses.	

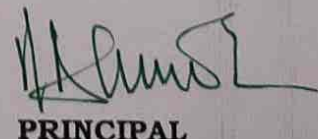
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(Odd Semester)


Name of the Staff : Dr. Parveen R. Class : BSc III Sem Sub: Chemistry


Month (Working Days)	Syllabus to be covered	Remarks
June (17 days)	UNIT I: Chemical Bonding Ionic bond: Definition, factors influencing formation of ionic bond. Born-Haber cycle. calculation of lattice energy of an ionic solid, like NaCl.	
July (26 days)	Hydrogen bonding. covalent bond Definition, valence bond theory.	
Aug. (25 days)	Directional characteristics of covalent bond. Molecular orbital theory: An elementary idea of MOT - LCAO - BMO and ABMO rule relating to filling up of electrons	
Sept. (23 days)	in molecular orbitals. Molecular orbital structure & B.O. of H, He, N, O & F. comparison of MOT & VBT.	
Oct. (22 days)	UNIT II: - Non-Aqueous solvents Physical Properties of solvents for functioning as an effective medium Types of solvents and general characteristics. Reactions in Non-Aqueous solvents like liq. NH ₃ & liq. SO ₂ .	

- Note :**
1. Opening day
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MONTHWISE TEACHING PLAN -2019-20
(Odd Semester)

Name of the Staff : Dr. Palveen R. Class : BSc V sem Sub: Chemistry

Month (Working Days)	Syllabus to be covered	Remarks
June (17 days)	5.2.3 - Physical chemistry. 1) Photochemistry - Interaction of radiation with matter, differences between thermal and photochemical processes, laws of	
July (26 days)	Photochemistry - Grothus-Dropper law, Stark-Einstein law, Jablonski Diagram depicting various processes occurring in the excited state, qualitative description of	
Aug. (25 days)	fluorescence phosphorescence nonradiative processes. quantum yield, photosensitized reactions, energy transfer processes.	
Sept. (23 days)	2) Physical Properties and molecular structure: - Optical activity, Polarization, orientation of dipoles in an electric field, dipole moment, induced dipole moment, measurement of dipole moment temp method and refractivity method. Dipole moment and structure of molecules, Magnetic properties -	
Oct. (22 days)	Paramagnetism, diamagnetism and ferromagnetism 3) Kinetics of complex reactions Kinetics of consecutive, parallel, reversible or opposing, chain reactions.	

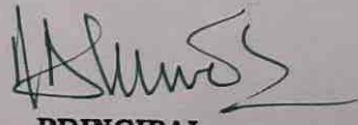
- Note :
1. Opening day :
 2. Commencement of Class :
 3. Completion of Syllabus :
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MONTHWISE TEACHING PLAN 2019-2020

(Odd Semester)


MS-OFFICE &


Name of the Staff: **SMITA PATIL** Class: **B.Sc-I SEM**

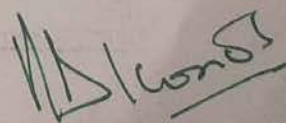
Sub: **C-PROGRAMMING**

Month (Working Days)	Syllabus to be covered	Remarks
June (24 days)		
July (27 days) 17	UNIT-1: MS-OFFICE Word Processing, features of word processing, menu & commands, toolbar & buttons word formatting toolbar, creating document, saving a document, printing, setting working tables. UNIT-2: C-PROGRAMMING: Algorithm, & flowchart	
Aug (25 days) 18	Basic structure of C programming, Programming style, executing a C Program. UNIT-3: Constants, variables, & data types, operators & expressions - Arithmetic operation. relational operator, logical operator.	
Sept (23 days) 15	UNIT-4: Input, Output fun^{ns}, formatted input and output. UNIT-5: Decision making with if statement, simple if statement, else-if statement, Nesting -if-else statement, The goto statement, the while statement, the do-while statement.	
Oct (15 days) 7	The for statement, jumps loops, character strings, one dimensional arrays, Two dimensional array, & multidimensional array	

- Note: 1. Opening Day : 01.06.2019
2. Commencement of Classes: III & V Sem(12.06.2019) & I Sem(20.06.2019)
3. Completion of Syllabus : III & V Sem(10.10.2019) & I Sem(19.10.2019)
4. Closing Day : 21.10.2019


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MONTHWISE TEACHING PLAN 2019-2020
(ODD SEMESTER)



Name of the staff: Smt.SHWETA KOTE Class: B.SC IIISem Sub: OOPS WITH C++

Month (Working Days)	Syllabus to be covered	Remarks
June		
July (27 Days)	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	
Aug (28 Days)	passing objects to function, returning objects, object assignment, constructors & destructors, friend function, friend classes. 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, call by reference and return by reference, passing references to objects, returning reference, C++'s dynamical allocation operators, allocating objects.	
Sep (23 Days)	UNIT III Overloading as polymorphism: function & operator overloading, operator overloading restrictions, operator overloading using friend function. Namespaces: global namespace and namespace std, nested namespaces Inheritance : base class access control, inheritance & protected members, protected base Class inheritance, inheriting multiple base classes, destructor functions, passing parameters to base class constructors, granting access, virtual base classes. Virtual Functions & Polymorphism: virtual function, pure virtual functions, early vs. late binding. UNIT IV Templates and Exception Handling: Exception handling in C++, try, throw, catch sequence, multiple catch 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.	
Oct (15 Days)	UNIT V Overview of the Standard Template Library: The Standard Template Library, Design goals, Header files, 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.	

1. OPENING DAY: 1st Jun 2019
 2. END OF SEMESTER: 10th Oct 2019
 3. VACATION: 21st Oct 2019

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 Affiliated to Akkamahadevi Women's University, Vijayapura



MONTHWISE TEACHING PLAN 2019 - 2020 (Odd Semester)

Name of the staff: Smt.Premila S Toran

Class: B.Sc V Sem

Sub:5.1 DBMS

MONT H (WOR KING DAYS)	SYLLABUS TO BE COVERED	REMA RKS
JUNE	---	
JULY (27 DAYS)	UNIT - I: Introduction:Data, Database, Database Users, Characteristics of Database Approach, Different people behind DBMS, Implication of Database Approach, Advantages of using DBMS, When not to use a DBMS. UNIT - II: Database System Concepts and Architecture: Data Models, Schemas and Instances, DBMS Architecture and Data Independence, Database Languages and Interfaces, Database System Environment, Classification of DBMS. UNIT-III: Data Modeling using E-R Model: High level conceptual Data Models for Database Design with an example Entity, Entity Types, Entity Sets, Attributes and Keys, E-R Model Concepts, Notation of E-R Diagrams,	
AUG (26 DAYS)	proper naming of Schema constructs, Relationship Types of Degree Higher than two. UNIT - IV SQL -1: Data Definition and Data Type s; Specifying basic constants in SQL; Schema change statements in SQL; Basic queries in SQL; UNIT- V SQL -2: Insert, Delete and Update statements in SQL; Specifying constraints as Assertion and techniques; Embedded SQL, Dynamic SQL; Databases stored Procedures and SQL/PSM. Unit VI :Relational model concepts, relational model constraints and relational database schema, defining relations, update operations on relations, basic relational algebra operations. relational calculus, domain relational calculus	
SEPT (23 DAYS)	UNIT - VII: Database Design: Functional Dependencies, Normal Forms Based On Primary Keys, General Definitions of Second and Third Normal Form. UNIT - VIII: Transaction Processing: Introduction, Transaction and System Concepts	
OCT (14 DAY)	Desirable properties of transaction, Schedules and Recoverability, Concurrency control techniques, database security and authorization Revision, QP Discussion, Seminars, Lab program explanation	

1. OPENING DAY: :1/6/2019
2. COMPLETION OF SYLLABUS: :10.10.2019(III & V SEM) & I SEM(19.10.2019)
3. CLOSING DAY: :21.10.2019

Premila S Toran
STAFF

G. S. S.
ACADEMIC COORDINATOR

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For *Premila S Toran*
Dept. of Computer Science
Smt. V. G. Womens College,
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MONTHWISE TEACHING PLAN 2019 - 2020
(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
JUNE	--	
JULY (27 DAYS)	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). 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,	
AUGUST (26 DAYS)	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. III. Word Processing: Word processing concepts, saving, closing, Opening an existing document, Selecting text, Editing text, Finding and replacing text, printing documents, Creating and Printing Merged Documents, Character and Paragraph Formatting, Page Design and Layout. Overview of operating system: Definition, functions of operating system, basics of Windows operating system- My Computer, Recycle Bin, Status Bar, Start and Menu & Menu-selection,..	
SEPT (23 DAYS)	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, Email advantages and disadvantages, Email addresses, passwords, and user-ids, Hypertext Markup Language, Web page creation- An example of HTML page.	
OCT (14 DAY)	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	

- 1. OPENING DAY: :1/6/2019
- 2. COMPLETION OF SYLLABUS: :10.10.2019(III & V SEM) & I SEM(19.10.2019)
- 3. CLOSING DAY: :21.10.2019

Premila S Toran
 STAFF

Premila S Toran
 ACADEMIC COORDINATOR

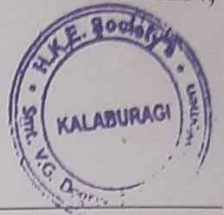
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MONTHWISE TEACHING PLAN 2019 - 2020(Odd Semester)

Name of the staff: Smt. Sapna Sherikar CLASS:B.Sc & BA III Sem SUB: Comp.Appl

MONTH (WORKING DAYS)	SYLLABUS TO BE COVERED	REMARKS
JUNE	--	
JULY (27 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.</p> <p>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> <p>II. Processor and memory: Types of processors, main memory organization, random access memory, read only memory, cache memory.</p> <p>Secondary storage: secondary storage devices and their needs,</p>	
AUGUST (26 DAYS)	<p>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, Opening an existing document, Selecting text, Editing text, Finding and replacing text, printing documents, Creating and Printing Merged Documents, Character and Paragraph Formatting, Page Design and Layout.</p> <p>Overview of operating system: Definition, functions of operating system, basics of Windows operating system- My Computer, Recycle Bin, Status Bar, Start and Menu & Menu-selection,..</p>	
SEPT (23 DAYS)	<p>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, Email advantages and disadvantages, Email addresses, passwords, and user-ids,Hypertext Markup Language, Web page creation- An example of HTML page.</p>	
OCT (14 DAY)	<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,</p>	

Sapna
 Academic Coordinator

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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: :1/6/2019
2. COMPLETION OF SYLLABUS: :10.10.2019(III & V SEM) & I
SEM(19.10.2019)
3. CLOSING DAY: :21.10.2019

Beitkar
STAFF

Qpd
ACADEMIC COORDINATOR

M. Shrivastava
PRINCIPAL

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MONTHWISE TEACHING PLAN 2019-2020

(Odd Semester)

Name of the Staff: **SMITA PATIL** Class: **B.Com V SEM** Sub: **Tally & DBMS**

Month (Working Days)	Syllabus to be covered	Remarks
June (24 days)		
July (27 days) 17	Tally 7.2 : Intro to Computerized Accounting advantages & disadvantages, types, packages Intro to Tally 7.2 tally screen company Creation setting date & period F11, F2 configure Gateway to Tally: Acc into ledger & voucher alteration, Voucher entry saving the Types of Voucher	
Aug (25 days) 18	Display (Final Acc): Display opt ⁿ , Cont display selection of Range, Balance sheet PI stat. Trial Balance, keyboard test, dit acc etc. Printing: Printing balance sheet, P.E Acc cheque Printing Introd ⁿ DBMS: fields, records	
Sept (23 days) 14	FoxPro environment, creating a db CREATE FoxPro Environment: Use of Foxpro, Adding records to a db - APPEND, EDIT, CHANGE deleting records DELETE, PACK, ZAP Command Displaying & Printing records - LIST, DISPLAY FOR clause Use of RUN as Command	
Oct (15 days) 8	Renaming Features of FoxPro: Renaming & deleting a db sorting records, searching, FIND SEEK. SET, Command, Built-in FoxPro fun ⁿ Using labels	

- Note: 1. Opening Day : 01.06.2019
2. Commencement of Classes: III & V Sem(12.06.2019) & I Sem(20.06.2019)
3. Completion of Syllabus : III & V Sem(10.10.2019) & I Sem(19.10.2019)
4. Closing Day : 21.10.2019

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MONTHWISE TEACHING PLAN 2019-20

(Odd Semester)

Name of the Staff: Dr. Veena PH Class: Bsc I Sem

Sub: Maths

Month (Working Days)	Syllabus to be covered	Remarks
June 16 days)	Introduction of how many papers, Syllabus, about internal marks assignment, and Recapitulation of the I st chap matrices	
July 27 days)	I Rank of matrix - full matrix Algebra chapter	
Aug 26 days)	Eigen values & eigen vectors II chapter - Complex Numbers little portion	
Sept (23 days)	III Theory of Equ ⁿ s chapter	
Oct (14 days)	III chap. Theory of Equ ⁿ s + Revision + Seminar + Assignment	

- Note: 1. Opening Day : 01.06.2019
2. Commencement of Classes: III & V Sem(12.06.2019) & I Sem(20.06.2019)
3. Completion of Syllabus : III & V Sem(10.10.2019) & I Sem(19.10.2019)
4. Closing Day : 21.10.2019

Dr. Veena P.H.
M.Sc., Ph.D.
H.O.P.
Professor & H.O.D.
Dept. of Mathematics,
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MONTHWISE TEACHING PLAN 2019-20

(Odd Semester)

Name of the Staff: Dr. Veena P.H Class: Bsc III sem Sub: Maths

Month (Working Days)	Syllabus to be covered	Remarks
June 16 days)	Introduction of the syllabus - Knowledge Reg only one paper about internal marks & syllabus explained with detail explanation	
July (27 days)	Polar co-ordinates - chapter	
Aug 26 days)	Integral Calculus - chapter - Next chapter - just defn	
Sept (23 days)	Sequences and infinite series - chapter	
Oct (14 days)	Series chapter continued and completed with Revision, question paper solution, assignment	

- Note: 1. Opening Day : 01.06.2019
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Coordinator

Dr. Veena P.H.
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MONTHWISE TEACHING PLAN 2019-20

(Odd Semester)

Name of the Staff: Dr. Veena PH Class: Bsc V sem Sub: Maths

Month (Working Days)	Syllabus to be covered	Remarks
June (16 days)	Syllabus - about 3 papers - Details about external marks Diff Equ ⁿ s - starting	
July (27 days)	Total Diff Equ ⁿ s chapter Partial differential Equ ⁿ s little portion	
Aug (26 days)	PDES continued and completes	
Sept (23 days)	Series solution chapter Legendres Equ ⁿ s	
Oct (14 days)	Bessels Equ ⁿ s - Completion of Syllabus Assignment - Seminar	

- Note: 1. Opening Day : 01.06.2019
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 4. Closing Day : 21.10.2019

Co-ordinator

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MONTHWISE TEACHING PLAN 2019-20

(Odd Semester)


Name of the Staff: Neelakatti S. V. Prati Class: Bsc I & III Sem Sub: Zoology

Month (Working Days)	Syllabus to be covered	Remarks
June (24 days)	—	
July (27 days)	Bsc I:- classification, General characters of phylum Annelida. Bsc III:- principles, scope, techniques of culturing economically important fishes	
Aug (25 days)	Bsc I:- Earths - External characters, atmosphere & nervous system. Bsc II:- Fish diseases: Bacterial & Viral diseases of India Major crops.	
Sept (23 days)	Bsc I:- Revision of earths Smith's classification & earthworms. Annelida. Bsc III Fish by products: horn, oil, meal, skin, fish fertilizer. Revision of fish Major crops.	
Oct (15 days)	by products with diseases.	

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 3. Completion of Syllabus : III & V Sem(10.10.2019) & I Sem(19.10.2019)
 4. Closing Day : 21.10.2019


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MONTHWISE TEACHING PLAN 2019-20

(Odd Semester)

Name of the Staff: Dr. Nalaka Katti, Class: Ist Sem (5-1) Sub: Zoology

Month (Working Days)	Syllabus to be covered	Remarks
June (24 days)	I Introduction & syllabus for 6 weeks.	
July (27 days)	II Chromosomes: STR, Models, function, Hetero & Euchromatin, Giant chromosomes, Polyline & Lampbrush chromosomes. III Nucleic acids & protein synthesis. Introduction, gen material Expt's.	
Aug (25 days)	Chemistry of N.A. DNA STR replication, Purden, RNA, Types, forms of DNA. Gen code properties, wobble hypothesis.	
Sept (23 days)	Interaction of genes: Supplementing dominant & recessive epistasis, Complementary multiple factors & lethal genes. Multiple alleles: characteristics inheritance of coat color in rabbit, ABO blood group inheritance. Rh-factor, isoalleles, pseudoalleles, pos. effect. Linkage & Ch. over: Linkage - Theories, Linkage in Drosophila, linkage in Man. Ch. over: Mech: meiotic cross over, Types.	
Oct (15 days)	detelen & significance Sex det: mechanism, G. balance theory, Gynandromorph, sex det? sex linked inheritance & sex linkage. Mendelian: Chs abd, Syndromes, Gen mut. Human Genetics: Gen disorders & eugenics. Gene Engg: DNA Tech. Tools, Applications.	

- Note: 1. Opening Day : 01.06.2019
 2. Commencement of Classes: III & V Sem(12.06.2019) & I Sem(20.06.2019)
 3. Completion of Syllabus : III & V Sem(10.10.2019) & I Sem(19.10.2019)
 4. Closing Day : 21.10.2019

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MONTHWISE TEACHING PLAN 2019-20

Dr. Chandrakala Patil (Odd Semester)

Name of the Staff:

Class: B & I Sem

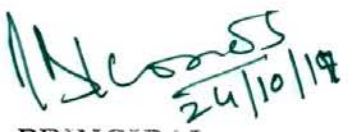
Sub: Zoology

Month (Working Days)	Syllabus to be covered	Remarks
June (16 days)	Introduction of the subject Phylum Protozoa - General characters.	
July (27 days)	- Protozoa - classification with suitable example. - life cycle of Plasmodium Vivax. - General characters of Phylum - Porifera classification upto class	
Aug (24 days)	with example. - Histology of sponges - Canal system in sponges. Ascon, Sycon, Lecon and Lagon.	
Sept (23 days)	- General characters with suitable examples. - Parasitic adaptations of Helminthes. - Animal classification and animal nomenclature.	
Oct (15 days)	- Binomial and Trinomial. nomenclature	

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MONTHWISE TEACHING PLAN 2019-20

Name of the Staff: Dr. Chandrakala Patil (Odd Semester)

Class: B.Sc III Sem Sub: Zoology

Month (Working Days)	Syllabus to be covered	Remarks
June (16) days)	- Caste system in honeybees, what is Apiculture and its importance.	
July (27 days)	- Different species and races of honeybee - Mouth parts and sting of honeybee - Morphology of worker honeybee - Modern method of beekeeping.	
Aug (24 days)	- Chemical composition. Honey, wax, venom, Bee Pollination, Honeybee diseases - Sericulture - Hiculture - different species, Non-Mulberry M. alba, M. indica, M. nigra, M. cadifolia	
Sept (23 days)	Beri silk, Muga silk, Tasar silk. - Life cycle of Bombyx mori, Reeling of silkworm, Reeling of silk. - Silkworm diseases, Pesticide. Grasserie, Muscardine, Itacheta	
Oct (15 days)	- Stifling & chawki reeling of silkworm.	

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MONTHWISE TEACHING PLAN 2019-20

Dr. Chandrakala Patil (Odd Semester)

Name of the Staff:

Class: I Sem

Sub: Zoology

Month (Working Days)	Syllabus to be covered	Remarks
June (10 days)	- Social organization in Honeybee, Caste system and communication. - Social organization in termites - Caste system.	
July (27 days)	- Parental Care in Fishes - Different types of nest constructed by fishes. - Parental Care in Amphibians - Different types of Nest Constructed of amphibians. - Nesting behaviour in Birds	
Aug (24 days)	- Biological clock - Origin & various types of Rhythms, Chronobiology. - Camouflage and Mimicry - Types, with examples.	
Sept (23 days)	- Innate behaviour - Kinesis, Taxes, Reflexes, Instincts, Motivation, - Learned behaviour - Habituation, imprinting, Conditioned reflex, Insight learning, - Migration in fishes - Types with examples	
Oct (15 days)	- Migration in Birds - Types with examples - Courtship behaviour - Scorpion & Peacock.	

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MONTHWISE TEACHING PLAN 2019-20
(Odd Semester)

Name of the Staff: Dr. Farzana Jabeen Class: B.Sc I Semester Sub: Zoology

Month (Working Days)	Syllabus to be covered	Remarks
June (16 days)	Biology of Non-chordata. Introduction to Non-chordata <u>Phylum coelenterata</u> : General characters & classification.	
July (27 days)	Ph: <u>Coelenterata contd</u> : Morphology of hydra, Life cycle of hydra. <u>Phylum Platyhelminthes</u> : General characters & classification. <u>Phylum Arthropoda</u> : General characters & classification. Prawn: Morphology & appendages.	
Aug (24 days)	<u>Contd Phylum Arthropoda</u> : Prawn Digestive System & Nervous system. Mouth parts of cockroach & Mouth parts of butterfly. Ph: <u>Mollusca</u> : General characters & classification.	
Sept (23 days)	<u>Contd Ph: Mollusca</u> : Type Study of Unio - Morphology, digestive & Nervous system. <u>Phylum Echinodermata</u> : General characters & classification with examples. Larval forms of echinodermata.	
Oct (15 days)	Revision	

- Note: 1. Opening Day : 01.06.2019
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MONTHWISE TEACHING PLAN 2019-20

(Odd Semester)

Name of the Staff: Dr. Farsana Tabeen Class: B.Sc III Semester Sub: Zoology

Month (Working Days)	Syllabus to be covered	Remarks
June (26 days)	<u>Applied Zoology</u> : <u>Poultry</u> : Aim & scope of poultry. Indigenous breeds of fowls.	
July (27 days)	<u>Contd. Poultry</u> : Exotic breeds of fowls, Poultry farm management - Deep litter System & cage system. Rearing of Layer birds in poultry - Chicks, growers & adult layers.	
Aug (25 days)	<u>Contd Poultry</u> : Rearing of broiler birds in poultry, Nutritive value of egg & poultry meat, poultry diseases- <u>Pearl culture</u> : Structure of oyster shell, process of pearl formation	
Sept (23 days)	<u>Dairy Farming</u> : Scope of dairy farm animals Breeds of cattles (cow) - Gir, Sindhi, Jersey, Holstein freisian. Breeds of buffalo : Murrah, Burti, Nagpuri, Mehsana. Composition of milk, milk products - curd, ghee, butter, milk powder. Breeding programme to improve local breeds of cattle. <u>Vermiculture</u> : Concept & importance. Small scale Vermiculture	
Oct (15 days)	<u>Contd</u> : Vermiculture ^{concept & importance} - Large scale Vermiculture. Role of earthworm in soil fertility Women entrepreneurship in small scale industry.	

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MONTHWISE TEACHING PLAN 2019-20

(Odd Semester)

Name of the Staff: *Dr. Farzana Jabbar* Class: *B.Sc V Sem.*

Sub: *Zoology*

Month (Working Days)	Syllabus to be covered	Remarks
June (16 days)	Evolution: Introduction to Evolution Theories of organic evolution - Lamarckism	
July (27 days)	Neo-Lamarckism. Darwin Wallace theory of organic evolution.	
Aug (27 days)	Synthetic theory of evolution. Speciation - Allopatric Speciation & Sympatric Speciation.	
Sept (23 days)	Microevolution & Macroevolution Fossils & Fossilization. Origin & evolution of man.	
Oct (15 days)	Revision.	

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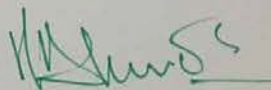
MONTHWISE TEACHING PLAN 2019-20 (Even Semester)

Name of the Staff: Dr. Shilpa, B Class: B.Sc II semester Sub: 2.1 Biochemistry

Month (Working Days)	Syllabus to be covered	Remarks
Dec-2019 (13 days)	1. Introduction:- physical & chemical nature of biological materials. Types of chemical bonds & their functions.	
Jan-2020 (26 days)	2. Carbohydrates 3. Proteins 4. Lipids	
Feb-2020 (24 days)	5. Enzymes 6. Nucleic acids. 7. Analytical Techniques. (a) Chromatography, (a)	
March-2020 (24 days)	(b) spectrophotometer (c) Centrifugation (d) Electrophoresis	
April-2020 (10 days)	(e) Radioactivity.	

Note: 1. Commencement of II, IV & VI Sem Classes : 16.12.2019
2. End of II, IV & VI Sem Classes : 15.04.2020
3. Commencement of Vacation for Teachers : 17.04.2020


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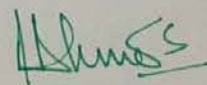
MONTHWISE TEACHING PLAN 2019-20 (Even Semester)

Name of the Staff: mangala Bhat Class: B.Sc IV Sem Sub: molecular Biology

Month (Working Days)	Syllabus to be covered	Remarks
Dec-2019 (13 days)	Introduction, experimental proof of DNA as genetic material. Hershey-chase Experiment RNA as genetic material, central dogma.	
Jan-2020 (26 days)	DNA replication in prokaryotes, DNA replication in eukaryotes. Rolling & theta mode of replication. DNA Damage consequences	
Feb-2020 (24 days)	Repair of DNA & types. semiconservative mode of replication. transcription in prokaryotes. transcription in eukaryotes.	
March-2020 (24 days)	post transcriptional modification. Recombination in prokaryotes, transformation, conjugation, transduction, mechanism & applications. translation in prokaryotes & eukaryotes. modifications.	
April-2020 (10 days)	Lactose operon, Tryptophan operon transcriptional activation. Regulation of gene expression in mitochondria, chloroplast. Galactose metabolism in yeast.	

- Note: 1. Commencement of II, IV & VI Sem Classes : 16.12.2019
 2. End of II, IV & VI Sem Classes : 15.04.2020
 3. Commencement of Vacation for Teachers : 17.04.2020


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MONTHWISE TEACHING PLAN 2019-20 (Even Semester)

Name of the Staff: *Mithilpa B*

Class: *B.Sc. V Semester*

Sub: *Biotechnology*

6.1 Agricultural & Environmental

Month (Working Days)	Syllabus to be covered	Remarks
Dec-2019 (13 days)	1. Introduction to agricultural Biotechnology 2. Renewable & non-renewable resources of energy	
Jan-2020 (26 days)	3. Transgenic plants. 4. Impact of conventional & non-conventional fuels. 5. Biofertilizers & biocontrol, Biopesticides	
Feb-2020 (24 days)	6. Treatment of municipal & industrial waste water effluents 7. Biodegradation & Bioremediation 8. Plant growth regulators.	
March-2020 (24 days)	9. Production of biofuels. 10. Microbial ore leaching & recovery - Bio mining 11. Study of vermicomposting 12. Study of air, water & soil pollution	
April-2020 (10 days)	13. Cryo plasma preservation 14. Environmental protection act & related issues.	

Note: 1. Commencement of II, IV & VI Sem Classes : 16.12.2019
2. End of II, IV & VI Sem Classes : 15.04.2020
3. Commencement of Vacation for Teachers : 17.04.2020

Mithilpa B
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MONTHWISE TEACHING PLAN 2019-20 (Even Semester)

Name of the Staff: mangala brada Class: Bsc VI sem (6.2) Sub: Medical Industrial &

Month (Working Days)	Syllabus to be covered	Remarks
Dec-2019 (13 days)	Basic principles of fermentation, scale up of fermentation, Screening & isolation of organisms, Fermentation media, sterilization techniques. Fermenters.	
Jan-2020 (26 days)	Types of fermenters - typical Airlift, tower & Bubble-up. Types of fermentations: SSF, submerged, continuous. Immobilized enzymes, cell biotech, medically imp organisms, bacterial & viral vaccines & production.	
Feb-2020 (24 days)	DSP, shake flask fermentation, Disintegration of cells, separation extraction, concentration, purification of product. production of lactic acid, Beer, penicillin, steroids, biotransformation, characteristics of Amylase, Industrial uses of enzymes.	
March-2020 (24 days)	Food & pharmaceuticals, Immobilized enzymes, Therapeutic proteins, Somatostatin, cytokines, Interleukin, Interferons, human factors - VII & IX, Hybridoma technology, Antisense technology stem cells	
April-2020 (10 days)	Fermented foods - yogurt, Buttermilk, cheese, Tempeh. single cell proteins	

- Note: 1. Commencement of II, IV & VI Sem Classes : 16.12.2019
 2. End of II, IV & VI Sem Classes : 15.04.2020
 3. Commencement of Vacation for Teachers : 17.04.2020

C. K. K.
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MONTHWISE TEACHING PLAN 2018-19

(Odd Semester) *Biotech*

Name of the Staff: *Basavarajeshwari* Class: *BSc I Sem* Sub: *cell biology*
(lyfeg)

Month (Working Days)	Syllabus to be covered	Remarks
June (17 days)	<i>cell theory</i>	
July (26 days)	<i>cell organelles</i>	
Aug (25 days)	<i>mutation, metabolism, cell cycle</i>	
Sept (23 days)	<i>Chromatogenesis, Allozymomal & autosomal disorders</i>	
Oct (22 days)	<i>sex determination</i>	

- Note: 1. Opening Day : 01.06.2018
2. Commencement of Classes: III & V Sem(11.06.2018) & I Sem(18.06.2018)
3. Completion of Syllabus : III & V Sem(22.10.2018) & I Sem(31.10.2018)
4. Closing Day : 02.11.2018

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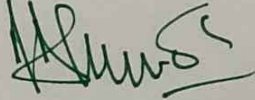
(Odd Semester)

Name of the Staff: Smt. mangala brada Class: B.Sc III sem Sub: microbiology & Immunology

Month (Working Days)	Syllabus to be covered	Remarks
June (17 days)	1) History & scope of microbiology 2) microscopy 3) History & scope of Immunology.	
July (26 days)	4) Sterilization. 5) Stains & staining techniques 6) Immunity. 7) Antigens.	
Aug (25 days)	8) culturing of microorganisms 9) microbial growth. 10) Antibodies	
Sept (23 days)	11) Antigen - Antibody reactions 12) Humoral & cell mediated immunity 13) Allergy: Types of allergy -	
Oct (22 days)		

- Note: 1. Opening Day : 01.06.2018
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4. Closing Day : 02.11.2018


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MONTHWISE TEACHING PLAN 2018-19

(Odd Semester)

Name of the Staff: *Smt. mangala* Class: *B.Sc. V Sem* Sub: *Genetic Engineering*

Month (Working Days)	<i>B.Sc. V Sem</i> Syllabus to be covered	Remarks
June (17 days)	1) Introduction to Genetic Engineering 2) Tools of Genetic Engineering	
July (26 days)	3) Gene cloning 4) Detection of clones	
Aug (25 days)	5) Gene Library 6) r-DNA technology for human welfare.	
Sept (23 days)	7) Human genome project & its implication 8) Biosafety: Rules & regulation of formation handling & response to genetically modified organisms	
Oct (22 days)		

- Note: 1. Opening Day : 01.06.2018
2. Commencement of Classes: III & V Sem(11.06.2018) & I Sem(18.06.2018)
3. Completion of Syllabus : III & V Sem(22.10.2018) & I Sem(31.10.2018)
4. Closing Day : 02.11.2018

C. P. S.
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MONTHWISE TEACHING PLAN 2018-19

(Odd Semester)

Biotecnology

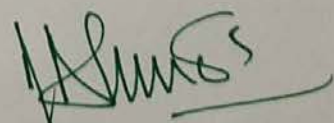
Name of the Staff: Balawaryal Class: B.Sc V sem.

Sub: plant & Animal

Month (Working Days)	Syllabus to be covered	Remarks
June (17 days)	plant tissue culture	
July (26 days)	Animal cell culture, callus culture Animal tissue culture.	
Aug (25 days)	Embryo culture, micropropagation	
Sept (23 days)	protoplast isolation & fusion somatic hybridization in crop improvement. IVF, marker studies micro plants.	
Oct (22 days)	In vitro haploid production & their application. somoclonal variations. plant secondary metabolites.	

- Note: 1. Opening Day : 01.06.2018
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3. Completion of Syllabus : III & V Sem(22.10.2018) & I Sem(31.10.2018)
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MONTHWISE TEACHING PLAN 2019-20

(EVEN SEMESTER)

Name of the staff: *Mamata S.H* Class: B.Sc VI Sem Sub: Chemistry

Month (Working Days)	Syllabus to be covered	Remarks
January		
February	Unit-I Colligative Property Semipermeable membrane, natural and artificial Semi permeable membranes examples, preparation of Copper ferrocyanide. Osmotic pressure, Relative lowering of vapour pressure, Elevation of Boiling point and Depression of freezing point	
March	Ostwald's and walkers method of determination of relative lowering of vapour pressure Landberg's method, Osmotic pressure its determination by Barkley and Hartley method, Beckmann's method Abnormal molecular mass, Vanthoff factor, degree of ionization, degree of dissociation, Numerical pro blems	
April	Galvanic cells and electrode reaction, Measurement of EMF Types of Electrode Sign Convention of Electrode Potential Nernst eqn for Electrode potential Calculation of Electrode Potential. SEP, RE, HE, CE, S-S-E Application of EMF measurement	

Note:

5. Opening day : 01/01/2020
6. Commencement of classes : 09/01/2020
7. Completion of syllabus :
8. Closing day : 14/04/2020

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[Signature]
Staff

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MONTHWISE TEACHING PLAN 2019-20

(EVEN SEMESTER)

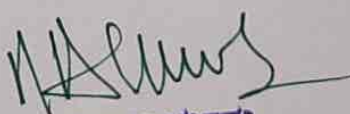
Name of the staff: Dr. Shivraj Mulagi

Class: B.Sc IV Sem Sub: Chemistry


Month (Working Days)	Syllabus to be covered	Remarks
January	Unit I: Nuclear Chemistry Nuclear stability, n/p ratio and binding energy. Radioactive decay series, radioactive equilibrium, artificial transmutation of elements using protons, neutron and their relative efficiency as projectiles. Induced radioactivity, radioactive isotopes and their uses in studying a mechanism of reactions.	
February	Unit II: d-Block elements General characteristics of transition metals with respect to electronic configuration, atomic size, ionization potential, variable oxidation states, magnetic property, colour and spectra. Explanation with reference to 3d series elements.	
March	f-Block elements Lanthanide series - electronic configuration, oxidation states, magnetic property, colour and spectra. Lanthanide contraction. Separation of lanthanides by ion exchange process.	
April		


Note:

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4. Closing day : 14/04/2020


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MONTHWISE TEACHING PLAN -2019-20
(EVEN SEMESTER)

Name of the Staff : Dr. Shivaraj Mulye Class : B.Sc. VIth Sem (6-2) Sub: CHEMISTRY

Month (Working Days)	Syllabus to be covered	Remarks
January 26 days	1) <u>Oils, Fats & Waxes</u> :- Composition of oils, Fats & Waxes, Analysis of Fats & oils, determination of Acid Value, iodine Value & Saponification value, & their importance. Manufacture of Soaps by Modern continuous method. Types of Soaps & Syndets.	
February 24 days	Merits and Demerits of Syndets over soaps, Cleansing action of Soaps & Syndets. 2) <u>Synthetic Dyes and Drugs</u> :- <u>Dyes</u> :- Colour and Constitution, chromophore theory, electronic concept, classifn. of dyes based on composition & Application. Chemistry and Synthesis of Methyl orange, Congo red, Malachite green, Crystal violet, Phenolphthalein, Fluorocin, Alizarin and Indigo.	
March 24 days	<u>Drugs</u> :- Elementary account of chemotherapy & chemotherapeutic agents - Antimalarials, Sulpha drugs, & Antibiotics. Mechanism of drug action. Synthesis and chemistry of Chloramine-T, Sulpha thiazole, Chloroquin & Sulphanilamide	
April. 10 days	3) <u>Synthetic Polymers</u> :- Addn or chain growth reactn, Free radical, vinyl Polymn, ionic Vinyl-Ziegler-Natta Polymn. Cond. or step-growth polyms, Polyesters, Polyamides, Phenol-formaldehyde resins, Urea resins, epoxy resins & polyurethanes, Natural & Synthetic polymers. 4) <u>Organic Synthesis Via Enolates</u> :- Acidity of α -hydrogens, Alkylation of diethyl malonate & Ethyl acetoacetate. Synthesis of Ethyl acetoacetate, claisen condensation (Mechanism), Keto-enol tautomerism of Ethyl acetoacetate. Alkylation and Acylation of Enamines.	

Note :

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

SIDNAGURE OF THE STAFF

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 Coordinator

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 ವಿದ್ಯಾಲಯ, ಕಲಬುರಗಿ



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MONTHWISE TEACHING PLAN 2019-20

(EVEN SEMESTER)

Name of the staff: Dr. Parvathi

Class: B.Sc IV Sem Sub: Chemistry

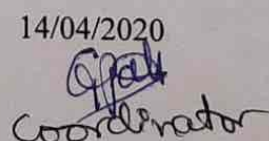
Month (Working Days)	Syllabus to be covered	Remarks
January	Unit V Physical properties of liquids Surface tension: its determination by using stalagmometer, parachor and chemical constitution. Applications of parachors in deciding the structure of benzene and quinone. Effect of temperature on surface tension. Viscosity: Its determination by using Ostwald's viscometer. Effect of temperature on viscosity. Refractive index: Its determination by using Abbe's refractometer, specific and molar refractions.	
February	Unit VI Thermodynamics-II Second law of thermodynamics: Need for the law, different statements of second law, Carnot Cycle and its efficiency (to be derived). Entropy concept as a state function. Entropy changes of an ideal gas with change in volume and temperature, pressure and temperature (equations to be derived). Calculation of entropy changes in reversible, isothermal, isobaric and isochoric processes. Physical significance of entropy. Free energy-Helmholtz and Gibb's Free energy and their relationship. Significance of free energy change, criteria for spontaneity and equilibrium. Numerical problems	
March	Unit VII Spectroscopy Introduction: Electromagnetic radiations, regions of the spectrum, basic features of different spectrometers, statement of the Born-Oppenheimer approximation, degrees of freedom. Rotational spectrum: Diatomic molecules: Energy levels of rigid rotors (Semi-classical principles), Selection rule, spectral intensity, distribution using population distribution (Maxwell-Boltzmann distribution). Determination of bond length, isotope effect	
April	Vibrational Spectrum: Infrared spectrum: Energy levels of simple harmonic oscillators, selection rule, pure Vibrational spectrum, intensity, determination of force constant and qualitative relation of force constant and bond energies.	

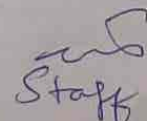
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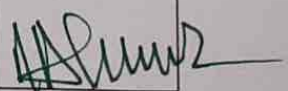
1. Opening day : 01/01/2020
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Staff


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MONTHWISE TEACHING PLAN 2019-20

(EVEN SEMESTER)

Name of the staff: Dr. Parveen Rajesab

Class: B.Sc IV Sem Sub: Chemistry

Month (Working Days)	Syllabus to be covered	Remarks
January	Unit III: Aldehydes and ketones Synthesis of aldehydes from acid chlorides, synthesis of ketones from nitriles and carboxylic acids. Structure, reactivity and properties of carboxyl group.	
February	Mechanism of nucleophilic addition reactions-Benzion, Aldol, Perkin's, Cannizarro, Knoevengal condensations. Mannich reactions, Clemmensen, Wolf-Kishner, LiAlH_4 , NaBH_4 reductions. Halogenation of enolisable ketones.	
March	Unit IV: Stereochemistry Optical isomerism: Chirality, Le Bel-Vant Hoff's hypothesis, elements of symmetry, optical activity, D and L configurations, R and S notations, Sequence and priority rules, enantiomers, diastereoisomers, racemic and meso (with suitable examples such as lactic and tartaric acids).	
April	Geometrical isomerism: Geometrical isomerism in maleic acid and fumaric acids. Determination of configurations of geometrical isomers. Nomenclature of geometrical Isomers- E Z system. Geometrical isomerism in oximes, Backmann Rearrangements	

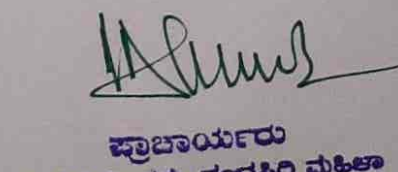
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MONTHWISE TEACHING PLAN 2019-20

(EVEN SEMESTER)

Name of the staff: Dr. Parveen Rajesab Class: B.Sc II Sem

Sub: Chemistry

Month (Working Days)	Syllabus to be covered	Remarks
January	UNIT-3: Arenes & Aromaticity: Nomenclature of benzene derivatives, modern concept of structure of benzene (including molecular orbital picture), Aromaticity, Huckel's rule (examples-benzene naphthalene, anthracene and phenanthrene).	
February	Aromatic electrophilic substitution, general pattern of the mechanism, role of σ and π complexes. Mechanism of nitration, halogenation, sulphonation, mercuratin and Friedel Crafts reaction. Energy profile diagrams. Activating and deactivating substituents. Orientation-Rules of orientation, orienting influence of substituents in toluene, chlorobenzene, nitrobenzene and phenol. Orientation in disubstituted benzene. Side chain oxidation reactions of benzene, Birch reduction.	
March	UNIT-4: Aliphatic and Aromatic Nitro Compounds: Preparation and properties of Aliphatic and Aromatic nitro compounds, reduction of nitrobenzene in acid alkali and neutral medium. Electrophilic and nucleophilic substitution reactions of nitrobenzene.	
April	UNIT-5: Nernst Distribution Law: Statement and derivation, Modification of law when solute associates and dissociates in one of the solvents. Application of law to solvent extraction process. Numerical problems (Minimum five problems should solved).	

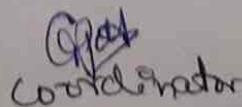
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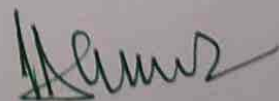
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Parveen
Staff

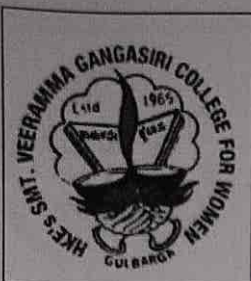

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MONTHWISE TEACHING PLAN 2019-20
(EVEN SEMESTER)

Name of the staff: Dr. Padveer R. Class: B.Sc VI Sem

Sub: Chemistry 6.1.

Month (Working Days)	Syllabus to be covered	Remarks
January	<u>Inorganic chemistry</u> . 6.1 Industrial chemistry a) Electroplating: Principles & practice, Electroplating of Ni, Au & Cr.	
February	b. cement: Raw materials, Manufacture by Dry Process, mechanism of setting of cement - Glass: Raw materials, manufacture, types of glasses & their composition and uses.	
March	Metallurgy: Extraction of uranium from Pitch blends and extraction of thorium from monazite sand <u>Principles of Gravimetric analysis</u> : - Rules of conditions of Precipitation	
April	Purification of PPT. Types of PPT Co & Post Precipitation. Effect of temp pH complex formation digestion filtration, washing, drying & ignition.	

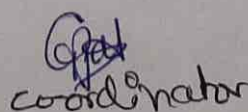
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5. Opening day : 01/01/2020
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MONTHWISE TEACHING PLAN 2019-20

(EVEN SEMESTER)

Name of the staff: Mamata

Class: B.Sc II Sem

Sub: Chemistry


Month (Working Days)	Syllabus to be covered	Remarks
January		
February	UNIT-1: s-Block Elements: Alkali metals: Comparative study of properties of group IA elements. Chemical properties -reactivity of metals, action of air and water, hydrogen, comparative study of properties of compounds of alkali metals such as oxides and peroxides, bicarbonates, hydroxides, carbonates, halides and nitrates. Alkaline Earth Metals: Comparative study of properties of Group IIA elements, properties, electronic configuration, melting and boiling points, softness, density, ionisation energy, hydration of ions, electropositive character, flame colouration and its causes. carbonates, sulphates and halides (solubility, thermal decomposition, amphoteric and basic nature, reaction with water, formation of more soluble bicarbonates from carbonates, deliquescent property wherever applicable).	
March	UNIT-2: p-Block Element: Comparative study of Boron family elements with respect to electronic configuration, atomic radius, ionisation energy and electron affinity. Diagonal relationship between boron and silicon. Preparation, properties, uses, and structure of diborane, borazole. Comparative study of Carbon family elements with respect to electronic configuration, atomic radius, ionisation energy, electron affinity. Structural features of diamond and graphite. Halogens: Structure of iodic acid and iodine pentoxide, pseudohalogens and interhalogens.	
April	UNIT-6: Liquid Mixtures: Different types with examples, binary mixtures of completely miscible liquids -types with examples,. Raoult's law of vapour pressure. Vapour- composition and boiling point -composition curves for the above types. Principles of fractional distillation. UNIT-7: Phase Equilibria: Phase rule - definition and explanation of terms involved. Application to one component systems (water and sulphur system) and two component systems (lead-silver system and KI -H ₂ O system). Freezing mixtures.	

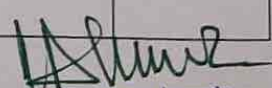
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MONTHWISE TEACHING PLAN 2019-2020
(EVEN SEMESTER)



Name of the staff: Smt.Sapna Sherikar Class: B.SC IISem Sub: Adv C Programming

Month (Working Days)	Syllabus to be covered	Remarks
DEC (13DAYS)		
JAN (26 DAYS)	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 in function. 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.. 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.	
FEB (24 DAYS)	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.	
MAR (24 DAYS)	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,	
APR (10 DAY)	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.	

1. OPENING DAY:

:16/12/2019

2. END OF SEMESTER:

:15/04/2020)

3. VACATION:

:17/04/2020

Sapna Sherikar
STAFF

C. G. Patil
ACADEMIC COORDINATOR

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Sapna Sherikar
Dept. of Computer Science
Smt. V. G. Womens College,
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MONTHWISE TEACHING PLAN 2019-2020
(EVEN SEMESTER)

Name of the staff: Smt. SHWETA KOTE

Class: B.SC IV Sem

Sub: DBMS

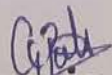
Month (Working Days)	Syllabus to be covered	Remarks
Dec (13 Days)	UNIT I Introduction: Purpose of Database Systems, View of Data, Database Languages, Database Design, Data Storage and Querying	
Jan {26 Days}	UNIT I Transaction Management, Database Architecture, Database Users and Administrators. UNIT II Introduction to the Relational Model: Structure of Relational Databases, Database Schema, Keys, 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.	
Feb (24 Days)	UNIT III Nested Subqueries, Modification of the Database, Join Expressions, Views, Transactions, Integrity Constraints, SQL Data Types and Schemas, Functions and Procedures, Triggers. 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	
Mar (24 Days)	UNIT IV Entity-Relationship Design Issues, Extended E-R Features. 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.	

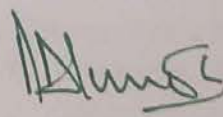
1. Opening Day: 16thDec2019

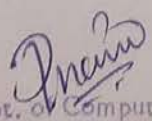
2. End of Semester: 15thApr2020

3. Vacation: 17thApr2020


Staff


Academic Coordinator


Principal
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Dept. of Computer Science
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MONTHWISE TEACHING PLAN 2019 - 2020
(Even Semester)

Name of the staff: Smita patil

Class: B.Sc VI Sem

Sub: 6.1 VB 6.0

MONTH (WORKING DAYS)	SYLLABUS TO BE COVERED	REMARKS
DEC (13 DAYS)	--	
JAN (26 DAYS)	UNIT - I: Introduction to VB: Integrated Development Environment- Menu Bar, Tool Bar, Form Designer, Project Explorer, Properties Window, Form Layout Window, The VB Editor. UNIT - II: The Form Object: Properties, events and methods of Forms; Properties- Name, Caption, Backcolor, Borderstyle, ControlBox, MaxButton, Minbutton, Moveable, Startup position, height, width, left, top, Scalemode, Windows State. UNIT - III: Events, Methods :Events- Load, Unload, Click, Activate, Deactivate, Resize, Methods- Show, Hide, Cls, Unload, Print. UNIT IV Controls : Controls- Properties and events of different controls such as Command buttons, Labels, Textboxes, Image Controls,	
FEB (24 DAYS)	Timer, Horizontal and Vertical Scrollbars, Option Buttons, Checkbox, Frames, Lists and Comboboxes. Pre-Defined Dialog Boxes- MsgBox and InputBox. UNIT - V: Programming in VB: Data Types, variables, declaration and Scope, Arithmetic operations, Study of form and code modules, private and public procedures. Main() procedure, Subs and Functions, Mathematical and String functions. UNIT - VI: Branching and Looping statements If-Then, If-Then-Else, and Nested If statements Architecture; An Applet skeleton;	
MAR (24 DAYS)	Select-case different forms, For-Next, While-Wend and Do-Looping Statements; UNIT - VII: Arrays: Array declaration, static and dynamic Arrays, Array() Function; Menus, and Toolbars- creating menus and toolbars, working with the menu editor, Designing Multiple Document Interfaces Forms, Microsoft Common Controls. UNIT - VIII: OOP: Methods and Properties of an Object, Class Modules, Encapsulation and Inheritance characteristics; Dynamic Link Libraries(DLLs), Windows API, Designing Help Files	
APR (10 DAY)	File Handling- Sequential, Random Access and Binary files; Database Connectivity- DAO and ADO Tables and Queries. ActiveX Data Objects	

1. OPENING DAY: :16/12/2019
 2. END OF SEMESTER: :15/04/2020)
 3. VACATION: :17/04/2020

Smita Patil
 STAFF

CPD
 ACADEMIC COORDINATOR

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MONTHWISE TEACHING PLAN 2019 - 2020
(Even Semester)

NAME OF THE STAFF: SMT. PREMILA S TORAN

CLASS: B.SC VI SEM

SUB: 6.2 JAVA

MONTH (WORKING DAYS)	SYLLABUS TO BE COVERED	REMARKS
DEC	--	
JAN (26 DAYS)	UNIT - I: Introduction: Java and Java applications: Java Development Kit (JDK); Java is interpreted, Byte Code, JVM; Object-oriented programming; Simple Java programs. UNIT - II: Data Types and Java Tokens: Boolean variables, int, long, char, operators, arrays, white spaces, literals, assigning values; Creating and destroying objects; Access Specifiers. UNIT - III: operators, Expressions and Control Statements: Arithmetic Operators, Bitwise operators, Relational operators, The Assignment Operator, The ? Operator, Operator Precedence; Logical Expression; Type Casting, Strings. Selection statements, iteration statements, Jump Statements.	
FEB (24 DAYS)	UNIT - IV: Classes, Inheritance and Exceptions: Classes: Classes in Java; Declaring a class; Class name, Super classes; Constructors; Creating instances of class; Inner classes. Inheritance: Simple, multiple, and multilevel inheritance; Overriding, Overloading. Exception handling: Exception handling in Java. UNIT - V: Applets: The Applet Class: Two types of Applets; Applet basics; Applet Architecture; An Applet skeleton;	
MAR (24 DAYS)	Simple Applet display methods; Requesting repainting; The HTML APPLET tag; Passing parameters to Applets; Output to the console. UNIT - VI: Multi Threaded Programming: Multi Threaded Programming; What are Threads? How to make the classes threadable; Extending threads; Implementing runnable; Synchronization. UNIT - VII: Graphics Programming: Introduction, The Graphics Class, Lines And Rectangles, Circles, Drawing Arcs, Drawing Polygons, Drawing Bar Charts.	
APR (10 DAY)	UNIT - VIII: Event Handling: Two event handling mechanisms; The delegation event model; Event classes; Sources of events. Simple programs. Revision, Tests	

- 1. OPENING DAY: :16/12/2019
- 2. END OF SEMESTER: :15/04/2020)
- 3. VACATION: :17.04.2020

Premila S Toran
 STAFF

Premila S Toran
 ACADEMIC COORDINATOR

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MONTHWISE TEACHING PLAN 2019-2020
 (EVEN SEMESTER)

Name of the staff: Smt.Sapna Sherikar Class: B.Com IV Sem Sub: MS-EXCEL & C-PROGR

Month (Working Days)	Syllabus to be covered	Remarks
DEC (13DAYS)		
JAN (26 DAYS)	<p>UNIT I –MS-Excel:-concept of spreadsheet, standard Button bar, Formatting Toolbar, formulabar, 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> <p>UNIT III –. Introduction to Programming in 'C': Introduction, Importance of 'C', Basicstructure of 'C' Program. Executing a 'C' Program. Constants, Variables, C-tokens: Keywordsand identifiers. Data types. Declaration of Variables, Assigning values to variables. Defining symbolic constants.</p>	
FEB (24 DAYS)	<p>. UNIT IV – Input and Output Statements: Reading a Character, Writing a Character, scanf(),printf(), rules for input statements, examples. 6 hrs</p> <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, else..if Ladder . The switch statement, the ?: Operator, The goto statement. while statement, do...while statement and forstatement. Jumps in loops.</p>	
MAR (24 DAYS)	<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>	
APR (10 DAY)	String variables, String Handling functions with examples.	

Sapna Sherikar
 STAFF

Sapna Sherikar
 ACADEMIC COORDINATOR

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Sapna Sherikar
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MONTHWISE TEACHING PLAN 2019 - 2020
(Even Semester)

Name of the staff: **Smita patil &**
Smt.Premila S Toran

Class:**B.Com VI Sem**

Sub:**VB 6.0 & E-Commerce**

MONTH (WORKING DAYS)	SYLLABUS TO BE COVERED	REMARKS
DEC (13 DAYS)	--	
JAN (26 DAYS)	Introduction to GUI Programming, Start-up object, Programming Style, Opening a Project and saving, Form, VB IDE, Tool box, Project Explorer Window, Properties Windows, Immediate Window, Form Layout Window, Adding a new form to the current Project, Removing the available form(s) from the current Project,	
FEB (24 DAYS)	Developing simple applications Textbox, Label, Command button, Option button, Frame, Check box, Timer etc. Simple applications Data types in VB, Declaring a variable, scope of variables, Control structures, Loops, Simple applications, Types, creation and usage of arrays in VB,	
MAR (24 DAYS)	Creating MDI documents, Functions and Procedures in VB, Types of built-in functions in VB, Developing simple applications Introduction to E-Commerce, Defining E-Commerce, Interacting with the customer, Application and session objects in E-Commerce application Working with files in E-Commerce application, Building Product Catalog Database, Displaying products, Searching for products Building the transaction	
APR (10 DAY)	Databases, Building the Shopping Cart, Checking Out, Working with Credit Cards, Letting customers track their address	

- 1. OPENING DAY: :16/12/2019
- 2. END OF SEMESTER: :15/04/2020)
- 3. VACATION: :17/04/2020

Smita Patil
Premila S Toran
STAFF

G. J. Patil
ACADEMIC COORDINATOR

Alankar
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MONTHWISE TEACHING PLAN 2019-20 (Even Semester)

Name of the Staff: Dr. Veen a PH Class: Bsc **II** Sem Sub: Maths

Month (Working Days)	Syllabus to be covered	Remarks
Dec-2019 (13 days)	Introduction about the syllabus - & about the no. of papers, internal tests conditions - marks distribution - explained	
Jan-2020 (26 days)	II unit Successive Differentiation - std. formula for e^{ax} $\sin(bx+c)$ - problems	
Feb-2020 (24 days)	std - on th derivative formula for $e^{ax} \cos(bx+c)$ - and problems there on	
March-2020 (24 days)	Eulers thro for homo geneous fun ^s - problems	
April-2020 (10 days)	LOCK DOWN	

- Note: 1. Commencement of II, IV & VI Sem Classes : 16.12.2019
 2. End of II, IV & VI Sem Classes : 15.04.2020
 3. Commencement of Vacation for Teachers : 17.04.2020

ACADEMIC COORDINATOR

Dr. Veen a P.H.
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 M.Sc, Ph.D.

Professor & H.O.D.
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MONTHWISE TEACHING PLAN 2019-20 (Even Semester)

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

Month (Working Days)	Syllabus to be covered	Remarks
Dec-2019 (13 days)	Due to valuation and practical Exams, students were not available upto Dec 22, From 23, Dec class started - syllabus and introduction of all three papers, about internal tests, marks distribution & - 6.1 Paper started	
Jan-2020 (26 days)	Paper 6.1 - Errors & Solutions of non-linear eqns - upto Gauss-Seidal M Paper 6.2 - Trigonometry I unit - upto Continuity & Differentiability Paper 6.3 - Theory of graphs with Basic defns	
Feb-2020 (24 days)	Paper 6.1 - Finite Differences - Fourth order RungeKutta method Paper 6.2 - Complex line integration - Improper Integrals ^{half} completed	
March-2020 (24 days)	Improper integrals continued - Paper 6.2 - Livolleles Thm Paper 6.3 - cut set Eulerian and Hamiltonian graphs March - 18 th - Lockdown started	
April-2020 (10 days)		

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3. Commencement of Vacation for Teachers : 17.04.2020

ACADEMIC COORDINATOR

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MONTHWISE TEACHING PLAN 2019-20 (Even Semester)

(Part time)

Name of the Staff: Ambika Patil Class: B.Sc II sem Sub: Math's

Month (Working Days)	Syllabus to be covered	Remarks
Dec-2019 (13 days)		
Jan-2020 (26 days)	<u>Unit-I</u> : Continuity and Differentiability. - Recapitulation of limits, continuity & differentiability. Roll's them & problems.	
Feb-2020 (24 days)	Lagrange's theorem, problems, CMVT, Taylor's theorem, Maclaurin's series and problems on these thems.	
March-2020 (24 days)	L'Hospital rule to solve indeterminate forms. <u>Unit-III</u> : Functions of two or more variables started	
April-2020 (10 days)	Lockdown.	

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2. End of II, IV & VI Sem Classes : 15.04.2020
3. Commencement of Vacation for Teachers : 17.04.2020

ACADEMIC COORDINATOR

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MONTHWISE TEACHING PLAN 2019-20 (Even Semester)


Name of the Staff: Ambika Patil Class: B.Sc. IV Sem Sub: Math's

Month (Working Days)	Syllabus to be covered	Remarks
Dec-2019 (13 days)		
Jan-2020 (26 days)	Introduction about Syllabus, <u>Unit-III</u> : Line & multiple Integrals, completed <u>Unit-II</u> : Differential Equations Started	
Feb-2020 (24 days)	Continuation of unit -II, I.F, First order & higher degree eqn, with four types & problems Problems on P.I of e^{ax} , x^n , $\sin ax$, $\cos ax$ & so on.	
March-2020 (24 days)	Cauchy - Euler D.E of order two <u>Unit-I</u> : Abstract algebra, Groups, Subgroups, cyclic groups & cosets & problems.	
April-2020 (10 days)		

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MONTHWISE TEACHING PLAN 2019-20 (Even Semester)

Name of the Staff: Neelakanta S. W. Class: 1st Year VI Sem (6.1) Sub: Zoology

Month (Working Days)	Syllabus to be covered	Remarks
Dec-2019 (13 days)	Introduction to deopt Zoology Branches, scope & theories.	
Jan-2020 (26 days)	Gametogenesis: Spermatogenesis & Oogenesis & Comparison. Fertilization: kinds & process, Mono- spermy, polyspermy & significance of fertilization. cleavage: Types - Holo, meroblastic, radial, spiral types & effects. Effect of yolk.	
Feb-2020 (24 days)	Early deopt & Prog: structure & origin cleavage, blastulation & Gastrulation. Early deopt of chick: Hens egg deopt origin & site of primitive streak, 24 hrs & 48 hrs chick embryo, extra embryonic membranes, Repro system & Early deopt in	
March-2020 (24 days)	Placenta: - classification, E. type, site & function of placenta - yolk sac, allantois etc. Modern trends in human reproduction Sperm bank, cloning (IVF-ET), S. Mother, Twins. Absohr factors: Light & Temp. Community ecology: - Site stability, ecotone edge effect, E. Nichol. Population ecology: Density, Natality, Mortality, Distribution, p. faults, Biotic potential & principles.	
April-2020 (10 days)		

- Note: 1. Commencement of II, IV & VI Sem Classes : 16.12.2019
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MONTHWISE TEACHING PLAN 2019-20 (Even Semester)

Name of the Staff: Dr. Neelakanti S. Wali Class: Bsc IV sem. Sub: zoology.

Month (Working Days)	Syllabus to be covered	Remarks
Dec-2019 (13 days)	Introduction to physiology.	
Jan-2020 (26 days)	<u>Respiration</u> :- Types of Respiration, Respiratory pigments, Exchange of gases. - Transport of O ₂ & CO ₂ . <u>Nitrogen Excretion</u> :- Nitrogen excretion in aquatic & terrestrial animals. Ammonia, Urea, Uricotexins.	
Feb-2020 (24 days)	Ornithine cycle, physiology of Urine formation. Introduction to Biochemistry. Vitamins: Fat & water soluble vitamins.	
March-2020 (24 days)	Enzymes:- classification of enzymes Mechanism of enzyme action - Lock & Key method, & induced fit hypothesis. co-factors, Bioenergetics:- Glycolysis, Krebs cycle & E.T.S.(TO)	
April-2020 (10 days)		

- Note: 1. Commencement of II, IV & VI Sem Classes : 16.12.2019
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3. Commencement of Vacation for Teachers : 17.04.2020


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MONTHWISE TEACHING PLAN 2019-20 (Even Semester)

Name of the Staff: *Dr Chandrakala* Class: *II Sem* *Biology of chordata & Osteology* Sub: *Zoology*

Month (Working Days)	Syllabus to be covered	Remarks
Dec-2019 (13 days)	<i>Reptilia: General characters and classification upto order with eg Snakes of India - Poisonous - Cobra, Hydrophis</i>	
Jan-2020 (26 days)	<i>Non-Poisonous - Python, Typhlop. Key for Identification of Poisonous and non-Poisonous Snakes of India Mammalia: General characters & classification upto sub-class with suitable examples.</i>	
Feb-2020 (24 days)	<i>Type study of Rat: Morphology digestive, Arterial & Venous system</i>	
March-2020 (24 days)	<i>Reproductive System of Rat. General characters with suitable examples of cyclostomata. General organization of Petromyzon. (Brief)</i>	
April-2020 (10 days)	<i>Fishes: - General characters of fishes. Types of scales & fins</i>	

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 3. Commencement of Vacation for Teachers : 17.04.2020

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MONTHWISE TEACHING PLAN 2019-20 (Even Semester)

Cell Biology - 6.1

Name of the Staff: Dr. Chandrakala Class: B & VI Sem Sub: Zoology

Month (Working Days)	Syllabus to be covered	Remarks
Dec-2019 (13 days)	Cell cycle, Mitosis and Meiosis, Regulation of cell cycle.	
Jan-2020 (26 days)	Cell organelles:- Structure and functions of Golgi Complex, Endoplasmic reticulum, Mitochondria, lysosomes, Plasmamembrane	
Feb-2020 (24 days)	Ribosomes, Centriole, Nucleus. Biology of Cancer:- Types of cancer Characteristic of cancer cell, Carcinogenic agents (Physical, chemical & biological). Light & Electron microscope.	
March-2020 (24 days)	Cell Theory - Microscopes. Compound & Electron microscope.	
April-2020 (10 days)		

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MONTHWISE TEACHING PLAN 2019-20 (Even Semester)


Name of the Staff: Dr. Chandrakla Class: B.Sc VI Sem Sub: Zoology
Ecology & Zoogeography
Wildlife Biology

Month (Working Days)	Syllabus to be covered	Remarks
Dec-2019 (13 days)	<u>Introduction to the Subject</u> <u>Ecology & Zoogeography.</u>	
Jan-2020 (26 days)	<u>Animal Relationship</u> : - Mutualism Commensalism, Parasitism, Ammensalism, Predation and Competition with relevant Examples.	
Feb-2020 (24 days)	<u>Habitat Ecology</u> : - <u>Marine Habitat</u> - <u>Physico-chemical features & Pelagic & Deep sea adaptations</u> <u>Fresh water</u> - <u>Physico-chemical features of lentic & lotic</u> <u>lotic water bodies - adaptations fauna.</u>	
March-2020 (24 days)	<u>Terrestrial habitat</u> : - A brief account of Biomes <u>Tundra, Taiga, Grasslands,</u> <u>Desert, Deciduas. Faunal adaptations</u> <u>to desert conditions.</u> <u>Wildlife</u> : - Definition, Wildlife Problems, <u>Hunting, over harvesting, Habitat loss.</u>	
April-2020 (10 days)	<u>Ex-Situ Conservation, In-Situ Conservation</u> <u>Distribution of wild life in India</u> <u>Realms and Geographic distribution</u>	

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 ACADEMIC COORDINATOR


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MONTHWISE TEACHING PLAN 2019-20 (Even Semester)

Name of the Staff: Dr. Jargana Jabun Class: B.Sc II Semester Sub: Zoology

Month (Working Days)	Syllabus to be covered	Remarks
Dec-2019 (13 days)	Unit:1 A: Introduction to chordata: General characters & outline classification of Ph: chordata upto classes with examples.	
Jan-2020 (26 days)	General characters of Sub Phylum: Hemichordata, Urochordata, Cephalochordata & Vertebrata. Unit:3 Amphibia: General characters & classification upto orders. Ecology & distribution of Ichthyophis, Hyla, Bufo, Salamander.	
Feb-2020 (24 days)	Unit:5 Aves: General characters & classification upto orders with suitable examples. Flight adaptations of birds. Economic importance of birds.	
March-2020 (24 days)	Unit:7 Osteology Frog & Rabbit: Axial & Appendicular Skeleton (Skull excluded)	
April-2020 (10 days)		

- Note: 1. Commencement of II, IV & VI Sem Classes : 16.12.2019
2. End of II, IV & VI Sem Classes : 15.04.2020
3. Commencement of Vacation for Teachers : 17.04.2020

ACADEMIC COORDINATOR

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MONTHWISE TEACHING PLAN 2019-20 (Even Semester)

Name of the Staff: Dr. Farzana Tabeen Class: B.Sc IV Semester Sub: Zoology

Month (Working Days)	Syllabus to be covered	Remarks
Dec-2019 (13 days)	Physiology : Introduction Endocrine system : Functions of mammalian endocrine glands - Pituitary gland	
Jan-2020 (26 days)	Contd Endocrine system : Thyroid, parathyroid, adrenal, testis, ovary & Placenta. Hormonal changes in women	
Feb-2020 (24 days)	<u>Circulation</u> : Type of circulation, structure functions & regulation of human heart, blood pressure, composition of human blood, neurogenic & myogenic heart. <u>Muscle contraction</u> : Principle type of muscles. Ultrastructure of striated muscle. Contractile proteins. Mechanism of muscle contraction <u>Digestion</u> : Mechanical & chemical digestion of proteins, carbohydrates & lipids	
March-2020 (24 days)	<u>Nervous coordination</u> : Structure of neuron, Nature & conduction of nerve impulse - Synaptic transmission & neuromuscular junction. Physiology : Branches of physiology	
April-2020 (10 days)		

- Note: 1. Commencement of II, IV & VI Sem Classes : 16.12.2019
 2. End of II, IV & VI Sem Classes : 15.04.2020
 3. Commencement of Vacation for Teachers : 17.04.2020

ACADEMIC COORDINATOR

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MONTHWISE TEACHING PLAN 2019-20 (Even Semester)

Name of the Staff: Dr. Farzana Tabeen Class: B.Sc VI Sem

Sub: Zoology (6.2)

Month (Working Days)	Syllabus to be covered	Remarks
Dec-2019 (13 days)	<u>Ecosystem</u> : Components & functions of ecosystem.	
Jan-2020 (26 days)	<u>Contd Ecosystem</u> : Natural ecosystem & man engineered ecosystem. Laws of thermodynamics - Energy flow in ecosystem, types of food chains with example, Food web, ecological pyramids. Study of ponds as typical ecosystem.	
Feb-2020 (24 days)	<u>Environmental Pollution</u> : Definition, Pollutants & types of pollution - Air, water & soil pollution - Sources, effect & control.	
March-2020 (24 days)	Zoogeography & wild life biology. Agencies engaged in wild life conservation IBWL, WII, CZA, BNHS, Project tiger Wild life protection act 1972, WWF, CITES, Ramsar Convention, TRAFFIC, IUCN, Red data book.	
April-2020 (10 days)		

- Note: 1. Commencement of II, IV & VI Sem Classes : 16.12.2019
2. End of II, IV & VI Sem Classes : 15.04.2020
3. Commencement of Vacation for Teachers : 17.04.2020

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MONTHWISE TEACHING PLAN 2019-20

Dr. Basavarajeshwari. (Odd Semester) [Biotechnology]
Name of the Staff: Ananta Class: BSc I Semester Sub: cell biology & cytogenetics

Month (Working Days)	Syllabus to be covered	Remarks
June (24 days)	Cell theory, Ultrastructure of Plant & animal cells, different types of cells.	
July (27 days)	cell organelles, chromosomes	
Aug (25 days)	Mutation, Mendelism cell cycle	
Sept (23 days)	Gametogenesis Allosomal & autosomal disorders.	
Oct (15 days)	Sex determination	

- Note: 1. Opening Day : 01.06.2019
2. Commencement of Classes: III & V Sem(12.06.2019) & I Sem(20.06.2019)
3. Completion of Syllabus : III & V Sem(10.10.2019) & I Sem(19.10.2019)
4. Closing Day : 21.10.2019


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MONTHWISE TEACHING PLAN 2019-20

Dr. Basavarajeshwari Awant (Odd Semester)

Plant & Animal

Name of the Staff:

Class: Bsc. V Semester

Sub: Biotechnology (S-2)

Month (Working Days)	Syllabus to be covered	Remarks
June (24 days)	Plant tissue culture	
July (27 days)	Animal cell culture, Callus culture Animal tissue culture media	
Aug (25 days)	Embryoculture, Micropropagation, primary culture, cell lines & clones	
Sept (23 days)	Protoplast isolation, & fusion Somatic hybridization in crop improvement. Appn of animal cell culture in regenera- tive medicine, IVF, Marker studies in crop plants	
Oct (15 days)	In vitro haploid production & their appn Somaclonal variations. Plant secondary metabolites. Appn of BT in apiculture, Sericulture & aquaculture.	

- Note: 1. Opening Day : 01.06.2019
2. Commencement of Classes: III & V Sem(12.06.2019) & I Sem(20.06.2019)
3. Completion of Syllabus : III & V Sem(10.10.2019) & I Sem(19.10.2019)
4. Closing Day : 21.10.2019

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MONTHWISE TEACHING PLAN 2019-20

Smt. Mangala B. Badar (Odd Semester)

microbiology
&
Sub: Immunology

Name of the Staff:

Class: III Sem.

Sub: Immunology

Month (Working Days)	Syllabus to be covered	Remarks
June (24 days)	1) Introduction & scope of microbiology. 2) Definition & history of microbiology.	
July (27 days)	Immunology unit -1 - A Introduction & scope of Immunology. B. Immunity types C. Antigens : types.	
Aug (25 days)	unit.2 - A : Antibodies. types. B. Ag - Ab reactions : RIA, ELISA precipitation, agglutination.	
Sept (23 days)	unit.3. A: organs & cells of Immune system B. Ab mediated immunity & cell mediated immunity. C. Allergy : Introduction.	
Oct (15 days)	C. Allergy : types, IgE mediated, antibody mediated, Immune complex mediated. T cells mediated & stimulated hypersensitivity reactions.	

- Note: 1. Opening Day : 01.06.2019
2. Commencement of Classes: III & V Sem(12.06.2019) & I Sem(20.06.2019)
3. Completion of Syllabus : III & V Sem(10.10.2019) & I Sem(19.10.2019)
4. Closing Day : 21.10.2019

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MONTHWISE TEACHING PLAN 2019-20

Smt. mangala Bradar (Odd Semester)
Name of the Staff:

Class: III Sem.

microbiology
&
Sub: Immunology.

Month (Working Days)	Syllabus to be covered	Remarks
June (24 days)	1) Introduction & scope of microbiology. 2) Definition & history of microbiology.	
July (27 days)	Immunology unit -1 - A Introduction & scope of Immunology. B. Immunity types C. Antigens : types.	
Aug (25 days)	unit -2 - A : Antibodies. types. B. Ag - Ab reactions : RIA, EUSA precipitation, agglutination.	
Sept (23 days)	unit -3 - A : organs & cells of Immune system B. Ab mediated immunity & cell mediated immunity. C. Allergy : Introduction.	
Oct (15 days)	C. Allergy : types, IgE mediated, antibody mediated, Immuno complex mediated. T cells mediated & stimulated hypersensitivity reactions.	

- Note: 1. Opening Day : 01.06.2019
2. Commencement of Classes: III & V Sem(12.06.2019) & I Sem(20.06.2019)
3. Completion of Syllabus : III & V Sem(10.10.2019) & I Sem(19.10.2019)
4. Closing Day : 21.10.2019

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MONTHWISE TEACHING PLAN 2019-20


(Odd Semester)


Name of the Staff: Smt. mangala B Class: V Sem

Sub: Genetic Engineering

Month (Working Days)	Syllabus to be covered	Remarks
June (24 days)	1) Introduction to g.E 2) Tools of g.E	
July (27 days)	2) Tools of g.E 3) gene cloning	
Aug (25 days)	4) Detection of clones. 5) Gene Library.	
Sept (23 days)	6) r-DNA technology for human welfare. 7) Human genome project & its implication.	
Oct (15 days)	8) Bioethy: Rules & regulations of formation handling & response of genetically modified organisms.	

- Note: 1. Opening Day : 01.06.2019
2. Commencement of Classes: III & V Sem(12.06.2019) & I Sem(20.06.2019)
3. Completion of Syllabus : III & V Sem(10.10.2019) & I Sem(19.10.2019)
4. Closing Day : 21.10.2019


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MONTHWISE TEACHING PLAN 2019-20

(Odd Semester)

Name of the Staff: Smt. Shilpa. B Class: B.Sc III Semester

Sub: 3¹ Microbiology & Immunology

Month (Working Days)	Syllabus to be covered	Remarks
June (24 days)		
July (27 days)	<u>Microscopy</u> :- Construction & working principles of different types of microscopes - compound, dark field, phase contrast, fluorescence & electron [scanning & transmission].	
Aug (25 days)	<u>2) Microbial taxonomy</u> :- <u>(A) general characters of viruses & bacteria.</u> - viruses - structure & classification of animal viruses - hepatitis-B bacterial viruses - lambda phage	
Sept (23 days)	<u>(B) Pathogenic micro-organisms</u> <u>(C) Culturing of micro-organisms.</u>	
Oct (15 days)	<u>(D) Microbial growth</u> - - nutritional requirements of micro-organisms. - bacterial growth curve.	

- Note: 1. Opening Day : 01.06.2019
 2. Commencement of Classes: III & V Sem(12.06.2019) & I Sem(20.06.2019)
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MONTHWISE TEACHING PLAN -2019-20
(Odd Semester)

Name of the Staff : Dr. Shivaraj Mulga Class : B.Sc Vth Sem (5-1) Sub: CHEMISTRY

Month (Working Days)	Syllabus to be covered	Remarks
June (17 days)	1) <u>Heterocyclic Chemistry</u> - Molecular orbital picture and aromatic character of pyrrole, furan, thiophene and pyridine. Methods of formation and reactions of pyrrole, furan, thiophene and pyridine. Comp. of basicity of	
July (26 days)	pyrrole, pyridine, and piperidine. Condensed 5 & 6 membered heterocycles - preparation & reaction of <u>Hildebrandt</u> & <u>Quinoline</u> . <u>Fischer-Indole Synthesis</u> and <u>Skraup Synthesis</u> .	
Aug. (25 days)	2) <u>Organometallic Compounds</u> :- <u>Grignard reagents</u> :- preparation, reactions and structure. <u>Organozinc Compounds</u> :- Form & chemical reactions. <u>Organolithium Compds</u> :- Form & chemical reactions.	
Sept. (23 days)	3) <u>Organosulphur Compds</u> :- Nomenclature, structure, preparation & chemical reactions of <u>Thiols</u> , <u>Thioethers</u> , <u>Sulphonic acids</u> , <u>Sulphanamide</u> & <u>Sulphaguanidine</u> .	
Oct. (22 days)	4) <u>Spectroscopy of Organic Compounds</u> :- <u>UV-Spectroscopy</u> :- Principles & measurements, electronic excitation, simple chromophoric groups, conjugated systems, extended conjugation, aromatic system <u>Acetaldehyde</u> and <u>Benzaldehyde</u> & <u>Acetone</u> & <u>Acetophenone</u> . <u>Infrared Spectroscopy</u> :- Molecular vibrations, principles & measurements, absorption of common functional groups - NH_2 , -NH-OH , >C=N , $\text{-C}\equiv\text{N}$, >C=O , -COOR , <u>Finger print</u> region. Problems on UV and IR.	

- Note :**
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MONTHWISE TEACHING PLAN -2019-20
(Odd Semester)

Name of the Staff : Dr. Shivaram Mulagi Class : B.Sc. Vth Sem (S-2) Sub: CHEMISTRY

Month (Working Days)	Syllabus to be covered	Remarks
June (17 days)	1) <u>Coordination Compounds</u> :- Complex Salt & double salt Werner's theory of complex compds, Sidgwick's theory of EAN Types of Ligands, Mono & polydentate ligands & Ambidentate ligands.	
July (26 days)	Factors affecting the stability of complexes. & Geometrical isomerism of C.N. 4 & 6.	Nomenclature,
Aug. (25 days)	2) <u>Bonding in Coordination Compds</u> :- VBT, Pauling assumption Inner and Outer orbital complex. Form of complex on the basis of VBT, $[Cu(NH_3)_4]^{2+}$ $[Ni(CN)_4]^{2-}$ $[Ni(CO)_4]$ $[Fe(CN)_6]^{4-}$ $[Co(NH_3)_6]^{3+}$ 3) <u>Crystal Field Theory (CFT)</u> :- Imp. Features, Splitting of d-orbitals in tetrahedral and octahedral complexes. Low & high spin complexes. Explan of CFSE & its calculation for d^3, d^4, d^5, d^6 & d^8 ions in octahedral complexes. Factors affecting the magnitude of $10Dq$ or Δ_o .	
Sept. (23 days)	4) <u>Organic reagents in Inorganic analysis</u> :- Introduction, Significance, of organic reagents Preparation, properties and Structure of DMG, EDTA, Oxine and O-Phenanthroline	
Oct. (22 days)	Applications of each of the above reagents in inorganic qualitative and quantitative analysis.	

- Note :**
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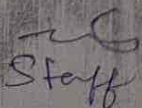
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(Odd Semester)

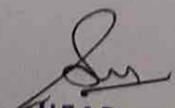
Name of the Staff : Dr Parvathi Class : BSc II S.I Sub: Chemistry

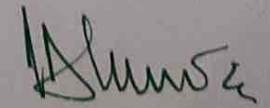
Month (Working Days)	Syllabus to be covered	Remarks
June (17 days)		
July (26 days)	Electrochemistry, cell constants, specific conductance, Equivalent-conductance, Kohlrausch's law, applications, ionic mobility, applications, conductometric titrations. Strong acid strong base	
Aug. (25 days)	Weak acid against strong base, Infinite dilution, catalysis, general characteristics, kinetics of acid-base catalyzed reactions. Autocatalysis	
Sept. (23 days)	oscillator reactions. Boscawen, Zehner-Rickel reactions. Brucellator and oxygenator models, catalytic reaction w. chemical equilibrium, equilibrium constant, free energy, Le Chatelier's principle.	
Oct. (22 days)	Reaction quotients, Gibbs free energy, Clausius Clapeyron equation, and its applications, Thermodynamic derivations.	

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


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MONTHWISE TEACHING PLAN -2019-20
(Odd Semester)

Name of the Staff: *Dr. Parvathi*

Class: *B.Sc III*

Sub: *Chemistry*

Month (Working Days)	Syllabus to be covered	Remarks
June (17 days)		
July (26 days)	monohydric alcohols, classification, chemical reactions, epiguard reagent, hydration of alcohols, $O-H$ $C-O$ bond cleavage, hydrogen bonding in alcohols.	
Aug. (25 days)	Dihydric alcohols, oxidation, cleavage, pinacol-pinacol rearrangement, glycols, phenols, classification, phenoxide ion, aromatic substitution, acylation, carbonylation.	
Sept. (23 days)	Fries rearrangement, Hoesels reaction, Gattermann synthesis, Hoesels ladder, mannich reaction, Rieman-tiemann reaction, ethers & epoxides, physical	
Oct. (22 days)	properties, chemical reactions, autoxidation, Ziegler method, orientation of epoxide ring opening, epiguard reagent, epoxides, organolithium with epoxides.	

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

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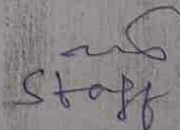
MONTHWISE TEACHING PLAN -2019-20
(Odd Semester)

Name of the Staff : Dr Parvathi Class : B.Sc V S.2 Sub: Chemistry

Month (Working Days)	Syllabus to be covered	Remarks
June (17 days)		
July (26 days)	Carbohydrates, monosaccharides, Osazone formation, epimerization, form of glycosides, D-glucose, D-fructose Red ⁿ of osalation, isoprene units, maltose, starch, cellulose, epimerization, alcohols	
Aug. (25 days)	ring degrading order, terpenoids, occurrence, isolation, isoprene unit synthesis, elucidation str of citral and α -terpenol, alkaloids, - classification, str synthesis of cocaine, nicotine	
Sept. (23 days)	fine str of cocaine, Atropine, Vitamins, - classification, biological importance of vitamins, synthesis of vitamins C and D.	
Oct. (22 days)	Synthesis of Aldrenaline and Thyroxine, applications of vitamins	

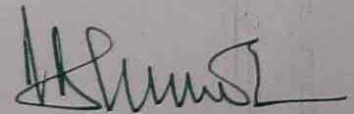
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 3. Completion of Syllabus
 4. Closing Day


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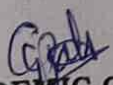
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MONTHWISE TEACHING PLAN -2019-20
(Odd Semester)

Name of the Staff : Dr. Parveen Rajwal Class : Bsc I semester Sub: Chemistry

Month (Working Days)	Syllabus to be covered	Remarks
June (17 days)	Unit-3: - <u>Reaction Mechanism</u> Types of bond cleavage, reactive intermediates-carbocation, carbanion, carbon free radical & carbenes. Types of reagents electrophiles & nucleophiles. Types of organic reaction, inductive resonance, hyperconjugation & electromeric effects. Types of organic reactions & mechanism. Effect of nature of alkyl groups nature of leaving groups, E1 & E2 elimination & rearrangement reactions.	
July (26 days)	Unit 4: - <u>Alkanes</u> : - General methods of Preparation. Relative reactivity of alkanes in halogenation. Free radical mechanism of chlorination of methane, Pyrolysis. <u>Cycloalkanes</u> : - Nomenclature, General methods of synthesis	
Aug. (25 days)	General reactions, stability of cycloalkanes. Baeyer's strain theory. Sachse-Mohr's theory of strain less rings. Unit 5: - <u>Alkenes</u> : -	
Sept. (23 days)	General methods of Preparation - Reactions of alkenes Mechanism of electrophilic addition of X_2 , HX , H_2O , Markovnikoff's rule, Peroxide effect, Hydroboration-oxidation, ozonolysis and its importance in the identification of alkenes. <u>Alkynes</u> : - General methods of preparation -	
Oct. (22 days)	Reactions of alkynes. Mechanisms of addition reactions. Acidic nature of alkynes. Formation of alkynides, oxidation with $KMnO_4$. Hydroboration-oxidation, metal-ammonia reductions, chloroacetylene synthesis and uses.	

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


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MONTHWISE TEACHING PLAN -2019-20
(Odd Semester)


Name of the Staff : Dr. Parveen R. Class : BSc III Sem Sub: Chemistry


Month (Working Days)	Syllabus to be covered	Remarks
June (17 days)	UNIT I: Chemical Bonding Ionic bond: Definition, factors influencing formation of ionic bond. Born-Haber cycle. calculation of lattice energy of an ionic solid, like NaCl.	
July (26 days)	Hydrogen bonding. covalent bond Definition, valence bond theory.	
Aug. (25 days)	Directional characteristics of covalent bond. Molecular orbital theory: An elementary idea of MOT - LCAO - BMO and ABMO rule relating to filling up of electrons	
Sept. (23 days)	in molecular orbitals. Molecular orbital structure & B.O. of H, He, N, O & F. comparison of MOT & VBT.	
Oct. (22 days)	UNIT II: - Non-Aqueous solvents Physical Properties of solvents for functioning as an effective medium Types of solvents and general characteristics. Reactions in Non-Aqueous solvents like liq. NH ₃ & liq. SO ₂ .	

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


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MONTHWISE TEACHING PLAN -2019-20
(Odd Semester)

Name of the Staff : Dr. Palveen R. Class : BSc V sem Sub: Chemistry

Month (Working Days)	Syllabus to be covered	Remarks
June (17 days)	5.2.3 - Physical chemistry. 1) Photochemistry - Interaction of radiation with matter, differences between thermal and photochemical processes, laws of	
July (26 days)	Photochemistry - Grothus-Dropper law, Stark-Einstein law, Jablonski Diagram depicting various processes occurring in the excited state, qualitative description of	
Aug. (25 days)	fluorescence phosphorescence nonradiative processes. quantum yield, photosensitized reactions, energy transfer processes.	
Sept. (23 days)	2) Physical Properties and molecular structure: - Optical activity, Polarization, orientation of dipoles in an electric field, dipole moment, induced dipole moment, measurement of dipole moment temp method and refractivity method. Dipole moment and structure of molecules, Magnetic properties -	
Oct. (22 days)	Paramagnetism, diamagnetism and ferromagnetism 3) Kinetics of complex reactions Kinetics of consecutive, parallel, reversible or opposing, chain reactions.	

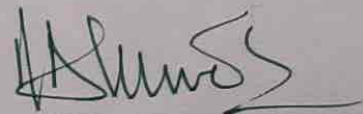
- Note :
1. Opening day :
 2. Commencement of Class :
 3. Completion of Syllabus :
 4. Closing Day :


ACADEMIC COORDINATOR

Parv
Staff


HEAD

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



PRINCIPAL

ಪ್ರಾಚಾರ್ಯರು

ಶ್ರೀಮತಿ ದೀರವ್ಯ ಗಂಗೂಬಿ ಮಹಿಲಾ
ಮಹಾವಿದ್ಯಾಲಯ, ಕಲಬುರಗಿ



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MONTHWISE TEACHING PLAN 2019-2020

(Odd Semester)


MS-OFFICE &


Name of the Staff: **SMITA PATIL** Class: **B.Sc-I SEM**

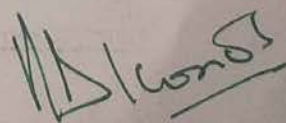
Sub: **C-PROGRAMMING**

Month (Working Days)	Syllabus to be covered	Remarks
June (24 days)		
July (27 days) 17	UNIT-1: MS-OFFICE Word Processing, features of word processing, menu & commands, toolbar & buttons word formatting toolbar, creating document, saving a document, printing, setting working tables. UNIT-2: C-PROGRAMMING: Algorithm, & flowchart	
Aug (25 days) 18	Basic structure of C programming, Programming style, executing a C Program. UNIT-3: Constants, variables, & data types, operators & expressions - Arithmetic operation. relational operator, logical operator.	
Sept (23 days) 15	UNIT-4: Input, Output fun^{ns}, formatted input and output. UNIT-5: Decision making with if statement, simple if statement, else-if statement, Nesting -if-else statement, The goto statement, the while statement, the do-while statement.	
Oct (15 days) 7	The for statement, jumps loops, character strings, one dimensional arrays, Two dimensional array, & multidimensional array	

- Note: 1. Opening Day : 01.06.2019
2. Commencement of Classes: III & V Sem(12.06.2019) & I Sem(20.06.2019)
3. Completion of Syllabus : III & V Sem(10.10.2019) & I Sem(19.10.2019)
4. Closing Day : 21.10.2019


ACADEMIC COORDINATOR


Dept. of Computer Science
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 NAAC- ACCREDITED "A" GRADE (3rd Cycle)
 AFFILIATED TO AKKAMAHADEVI WOMEN'S UNIVERSITY, VIJAYAPURA
 MONTHWISE TEACHING PLAN 2019-2020
 (ODD SEMESTER)



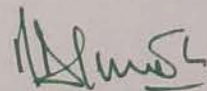
Name of the staff: Smt. SHWETA KOTE Class: B.SC IIISem Sub: OOPS WITH C++

Month (Working Days)	Syllabus to be covered	Remarks
June		
July (27 Days)	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	
Aug (28 Days)	passing objects to function, returning objects, object assignment, constructors & destructors, friend function, friend classes. 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, call by reference and return by reference, passing references to objects, returning reference, C++'s dynamic allocation operators, allocating objects.	
Sep (23 Days)	UNIT III Overloading as polymorphism: function & operator overloading, operator overloading restrictions, operator overloading using friend function. Namespaces: global namespace and namespace std, nested namespaces Inheritance : base class access control, inheritance & protected members, protected base Class inheritance, inheriting multiple base classes, destructor functions, passing parameters to base class constructors, granting access, virtual base classes. Virtual Functions & Polymorphism: virtual function, pure virtual functions, early vs. late binding. UNIT IV Templates and Exception Handling: Exception handling in C++, try, throw, catch sequence, multiple catch 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.	
Oct (15 Days)	UNIT V Overview of the Standard Template Library: The Standard Template Library, Design goals, Header files, 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.	

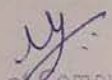
1. OPENING DAY: 1st Jun 2019
 2. END OF SEMESTER: 10th Oct 2019
 3. VACATION: 21st Oct 2019

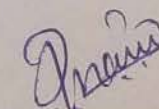

 STAFF


 ACADEMIC COORDINATOR


 PRINCIPAL

Smt. V.G. Degree College for Women
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For

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 Smt. V. G. Womens College,
 GULBARGA,


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



MONTHWISE TEACHING PLAN 2019 - 2020 (Odd Semester)

Name of the staff: Smt.Premila S Toran

Class: B.Sc V Sem

Sub:5.1 DBMS

MONT H (WOR KING DAYS)	SYLLABUS TO BE COVERED	REMA RKS
JUNE	---	
JULY (27 DAYS)	UNIT - I: Introduction:Data, Database, Database Users, Characteristics of Database Approach, Different people behind DBMS, Implication of Database Approach, Advantages of using DBMS, When not to use a DBMS. UNIT - II: Database System Concepts and Architecture: Data Models, Schemas and Instances, DBMS Architecture and Data Independence, Database Languages and Interfaces, Database System Environment, Classification of DBMS. UNIT-III: Data Modeling using E-R Model: High level conceptual Data Models for Database Design with an example Entity, Entity Types, Entity Sets, Attributes and Keys, E-R Model Concepts, Notation of E-R Diagrams,	
AUG (26 DAYS)	proper naming of Schema constructs, Relationship Types of Degree Higher than two. UNIT - IV SQL -1: Data Definition and Data Type s; Specifying basic constants in SQL; Schema change statements in SQL; Basic queries in SQL; UNIT- V SQL -2: Insert, Delete and Update statements in SQL; Specifying constraints as Assertion and techniques; Embedded SQL, Dynamic SQL; Databases stored Procedures and SQL/PSM. Unit VI :Relational model concepts, relational model constraints and relational database schema, defining relations, update operations on relations, basic relational algebra operations. relational calculus, domain relational calculus	
SEPT (23 DAYS)	UNIT - VII: Database Design: Functional Dependencies, Normal Forms Based On Primary Keys, General Definitions of Second and Third Normal Form. UNIT - VIII: Transaction Processing: Introduction, Transaction and System Concepts	
OCT (14 DAY)	Desirable properties of transaction, Schedules and Recoverability, Concurrency control techniques, database security and authorization Revision, QP Discussion, Seminars, Lab program explanation	

1. OPENING DAY: :1/6/2019
2. COMPLETION OF SYLLABUS: :10.10.2019(III & V SEM) & I SEM(19.10.2019)
3. CLOSING DAY: :21.10.2019

Premila S Toran
 STAFF

Premila S Toran
 ACADEMIC COORDINATOR

Premila S Toran
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For *Premila S Toran*
 Dept. of Computer Science
 Smt. V. G. Womens College,
 GULBARGA.



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MONTHWISE TEACHING PLAN 2019 - 2020
(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
JUNE	--	
JULY (27 DAYS)	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). 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,	
AUGUST (26 DAYS)	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. III. Word Processing: Word processing concepts, saving, closing, Opening an existing document, Selecting text, Editing text, Finding and replacing text, printing documents, Creating and Printing Merged Documents, Character and Paragraph Formatting, Page Design and Layout. Overview of operating system: Definition, functions of operating system, basics of Windows operating system- My Computer, Recycle Bin, Status Bar, Start and Menu & Menu-selection,..	
SEPT (23 DAYS)	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, Email advantages and disadvantages, Email addresses, passwords, and user-ids, Hypertext Markup Language, Web page creation- An example of HTML page.	
OCT (14 DAY)	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	

- 1. OPENING DAY: :1/6/2019
- 2. COMPLETION OF SYLLABUS: :10.10.2019(III & V SEM) & I SEM(19.10.2019)
- 3. CLOSING DAY: :21.10.2019

Premila S Toran
STAFF

Premila S Toran
ACADEMIC COORDINATOR

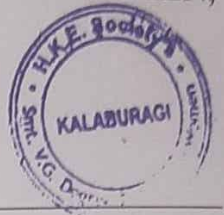
M. S. Prasad
PRINCIPAL
PRINCIPAL

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

Smt. V.G. Degree College for Women,
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MONTHWISE TEACHING PLAN 2019 - 2020(Odd Semester)

Name of the staff: Smt. Sapna Sherikar CLASS: B.Sc & BA III Sem SUB: Comp.Appl

MONTH (WORKING DAYS)	SYLLABUS TO BE COVERED	REMARKS
JUNE	--	
JULY (27 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.</p> <p>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> <p>II. Processor and memory: Types of processors, main memory organization, random access memory, read only memory, cache memory.</p> <p>Secondary storage: secondary storage devices and their needs,</p>	
AUGUST (26 DAYS)	<p>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, Opening an existing document, Selecting text, Editing text, Finding and replacing text, printing documents, Creating and Printing Merged Documents, Character and Paragraph Formatting, Page Design and Layout.</p> <p>Overview of operating system: Definition, functions of operating system, basics of Windows operating system- My Computer, Recycle Bin, Status Bar, Start and Menu & Menu-selection,..</p>	
SEPT (23 DAYS)	<p>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, Email advantages and disadvantages, Email addresses, passwords, and user-ids, Hypertext Markup Language, Web page creation- An example of HTML page.</p>	
OCT (14 DAY)	<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,</p>	

Sapna
 Academic Coordinator

Sapna
 Dept. of Computer Science
 Smt. V. G. Womens College
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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: | :1/6/2019 |
| 2. COMPLETION OF SYLLABUS:
SEM(19.10.2019) | :10.10.2019(III & V SEM) & I |
| 3. CLOSING DAY: | :21.10.2019 |

Bentkar
STAFF

Q.P.
ACADEMIC COORDINATOR

M. Shinde
PRINCIPAL

For
M. Shinde
Dept. of Computer Science
Smt. V. G. Womens College,
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MONTHWISE TEACHING PLAN 2019-2020

(Odd Semester)

Name of the Staff: **SMITA PATIL** Class: **B.Com V SEM** Sub: **Tally & DBMS**

Month (Working Days)	Syllabus to be covered	Remarks
June (24 days)		
July (27 days) 17	Tally 7.2 : Intro to Computerized Accounting advantages & disadvantages, types, packages Intro to Tally 7.2 tally screen company Creation setting date & period F11, F2 configure Gateway to Tally: Acc into ledger & voucher alteration, Voucher entry saving the Types of Voucher	
Aug (25 days) 18	Display (Final Acc): Display opt ⁿ , Cont ⁿ display selection of Range, Balance sheet PI stat. Trial Balance, keyboard test, dit acc etc. Printing: Printing balance sheet, P.E Acc cheque Printing Intro ⁿ DBMS: fields, records	
Sept (23 days) 14	FoxPro environment, creating a db CREATE FoxPro Environment: Use of Foxpro, Adding records to a db - APPEND, EDIT, CHANGE deleting records DELETE, PACK, ZAP Command Displaying & Printing records - LIST, DISPLAY FOR clause Use of RUN as Command	
Oct (15 days) 8	Renaming Features of FoxPro: Renaming & deleting a db sorting records, searching, FIND SEEK. SET, Command, Built-in FoxPro fun ⁿ Using labels	

- Note: 1. Opening Day : 01.06.2019
2. Commencement of Classes: III & V Sem(12.06.2019) & I Sem(20.06.2019)
3. Completion of Syllabus : III & V Sem(10.10.2019) & I Sem(19.10.2019)
4. Closing Day : 21.10.2019

ACADEMIC COORDINATOR

For
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MONTHWISE TEACHING PLAN 2019-20

(Odd Semester)

Name of the Staff: Dr. Veena PH Class: Bsc I Sem

Sub: Maths

Month (Working Days)	Syllabus to be covered	Remarks
June 16 days)	Introduction of how many papers, Syllabus, about internal marks assignment, and Recapitulation of the I st chap matrices	
July 27 days)	I Rank of matrix - full matrix Algebra chapter	
Aug 26 days)	Eigen values & eigen vectors II chapter - Complex Numbers little portion	
Sept (23 days)	III Theory of Equ ⁿ s chapter	
Oct (14 days)	III chap. Theory of Equ ⁿ s + Revision + Seminar + Assignment	

- Note: 1. Opening Day : 01.06.2019
2. Commencement of Classes: III & V Sem(12.06.2019) & I Sem(20.06.2019)
3. Completion of Syllabus : III & V Sem(10.10.2019) & I Sem(19.10.2019)
4. Closing Day : 21.10.2019

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

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MONTHWISE TEACHING PLAN 2019-20
(Odd Semester)

Name of the Staff: Dr. Veena P.H. Class: Bsc III sem Sub: Maths

Month (Working Days)	Syllabus to be covered	Remarks
June 16 days)	Introduction of the syllabus - Knowledge Reg only one paper about internal marks & syllabus explained with detail explanation	
July (27 days)	Polar co-ordinates - chapter	
Aug 26 days)	Integral Calculus - chapter - Next chapter - just defn	
Sept (23 days)	Sequences and infinite series - chapter	
Oct (14 days)	Series chapter continued and completed with Revision, question paper solution, assignment	

- Note: 1. Opening Day : 01.06.2019
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 3. Completion of Syllabus : III & V Sem(10.10.2019) & I Sem(19.10.2019)

4. Closing Day
 Coordinator

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

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MONTHWISE TEACHING PLAN 2019-20

(Odd Semester)

Name of the Staff: Dr. Veena PH Class: Bsc V sem Sub: Maths

Month (Working Days)	Syllabus to be covered	Remarks
June (16 days)	Syllabus - about 3 papers - Details about external marks Diff Equ ⁿ s - starting	
July (27 days)	Total Diff Equ ⁿ s chapter Partial differential Equ ⁿ s little portion	
Aug (26 days)	PDES continued and completes	
Sept (23 days)	Series solution chapter Legendres Equ ⁿ s	
Oct (14 days)	Bessels Equ ⁿ s - Completion of Syllabus Assignment - Seminar	

- Note: 1. Opening Day : 01.06.2019
 2. Commencement of Classes: III & V Sem(12.06.2019) & I Sem(20.06.2019)
 3. Completion of Syllabus : III & V Sem(10.10.2019) & I Sem(19.10.2019)
 4. Closing Day : 21.10.2019

Co-ordinator

Dr. Veena P.H.
 M.Sc., Ph.D.
 Professor & H.O.D.
 Dept. of Mathematics
 Smt. V.G. Degree College
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MONTHWISE TEACHING PLAN 2019-20

(Odd Semester)


Name of the Staff: Neelakatti S. V. Prati Class: Bsc I & III Sem Sub: Zoology

Month (Working Days)	Syllabus to be covered	Remarks
June (24 days)	—	
July (27 days)	Bsc I:- classification, General characters of phylum Annelida. Bsc III:- principles, scope, techniques of culturing economically important fishes	
Aug (25 days)	Bsc I:- Earths - External characters, atmosphere & nervous system. Bsc II:- Fish diseases: Bacterial & Viral diseases of <u>major</u> <u>carps</u> .	
Sept (23 days)	Bsc I:- Revision of earths Smith's classification & earthworms. <u>Major</u> Bsc III Fish by products: horn, oil, meal, skin, fish fertilizer. Revision of fish <u>major</u> <u>carps</u> .	
Oct (15 days)	by products with diseases.	

- Note: 1. Opening Day : 01.06.2019
 2. Commencement of Classes: III & V Sem(12.06.2019) & I Sem(20.06.2019)
 3. Completion of Syllabus : III & V Sem(10.10.2019) & I Sem(19.10.2019)
 4. Closing Day : 21.10.2019


 ACADEMIC COORDINATOR


 Head of Department of Zoology
 Smt. V.G. Degree College for Women
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MONTHWISE TEACHING PLAN 2019-20

(Odd Semester)

Name of the Staff: Dr. Nalaka Katti, Class: I Sem (5-1) Sub: Zoology

Month (Working Days)	Syllabus to be covered	Remarks
June (24 days)	I Introduction & syllabus for Genetics.	
July (27 days)	II Chromosomes: STR, Models, function, Hetero & Euchromatin, Giant chromosomes, Polyline & Lampbrush chromosomes. III Nucleic acids & protein synthesis. Introduction, gen material Expt's.	
Aug (25 days)	Chemistry of N.A. DNA STR replication, Purden, RNA, Types, forms of DNA. Gen code properties, wobble hypothesis.	
Sept (23 days)	Interaction of genes: Supplementing dominant & recessive epistasis, Complementary multiple factors & lethal genes. Multiple alleles: characteristics inheritance of coat color in rabbit, ABO blood group inheritance. Rh-factor, isoalleles, pseudoalleles, pos. effect. Linkage & Ch. over: Linkage - Theories, Linkage in Drosophila, linkage in Man. Ch. over: Mech: meiotic cross over, Types.	
Oct (15 days)	detelen & significance Sex det: mechanism, G. balance theory, Gynandromorph, sex det? sex linked inheritance & sex linkage. Mendelian: Chs abd, Syndromes, Gen mut. Human Genetics: Gen disorders & eugenics. Gene Engg: DNA Tech. Tools, Applications.	

- Note: 1. Opening Day : 01.06.2019
 2. Commencement of Classes: III & V Sem(12.06.2019) & I Sem(20.06.2019)
 3. Completion of Syllabus : III & V Sem(10.10.2019) & I Sem(19.10.2019)
 4. Closing Day : 21.10.2019

[Signature]
 ACADEMIC COORDINATOR

[Signature]
 Head of Department of Zoology
 Smt. V.G. Degree College for Women
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 24/10/19
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MONTHWISE TEACHING PLAN 2019-20

Dr. Chandrakala Patil (Odd Semester)

Name of the Staff:

Class: B & I Sem

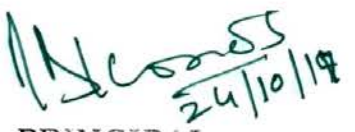
Sub: Zoology

Month (Working Days)	Syllabus to be covered	Remarks
June (16 days)	Introduction of the subject Phylum Protozoa - General characters.	
July (27 days)	- Protozoa - classification with suitable example. - life cycle of Plasmodium Vivax. - General characters of Phylum - Porifera classification upto class	
Aug (24 days)	with example. - Histology of sponges - Canal system in sponges. Ascon, Sycon, Lecon and Lagon.	
Sept (23 days)	- General characters with suitable examples. - Parasitic adaptations of Helminthes. - Animal classification and animal nomenclature.	
Oct (15 days)	- Binomial and Trinomial. nomenclature	

- Note: 1. Opening Day : 01.06.2019
 2. Commencement of Classes: III & V Sem(12.06.2019) & I Sem(20.06.2019)
 3. Completion of Syllabus : III & V Sem(10.10.2019) & I Sem(19.10.2019)
 4. Closing Day : 21.10.2019


 ACADEMIC COORDINATOR


 Head of Department of Zoology
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MONTHWISE TEACHING PLAN 2019-20

Dr. Chandrakala Patil (Odd Semester)
Name of the Staff:

Class: B.Sc III Sem. Sub: Zoology

Month (Working Days)	Syllabus to be covered	Remarks
June (16) days	- Caste system in honeybees, what is Apiculture and its importance.	
July (27 days)	- Different species and races of honeybee - Mouth parts and sting of honeybee - Morphology of worker honeybee - Modern method of beekeeping.	
Aug (24 days)	- Chemical composition. Honey, wax venom, Bee Pollination, Honeybee diseases - Sericulture - Hediculture - different species, Non-Mulberry M. alba, M. indica, M. nigra, M. cadifolia	
Sept (23 days)	Beri silk, Muga silk, Tasar silk. - Life cycle of Bombyx mori, Reeling of silkworm, Reeling of silk. - Silkworm diseases, Pesticide Grasserie, Muscardine, Itacheta	
Oct (15 days)	- Stifling & chawki reeling of silkworm.	

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Dr. Chandrakala Patil
ACADEMIC COORDINATOR

Dr. Chandrakala Patil
Head of Department of Zoology
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Dr. Chandrakala Patil
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MONTHWISE TEACHING PLAN 2019-20

Dr. Chandrakala Patil (Odd Semester)

Name of the Staff:

Class: I Sem

Sub: Zoology

Month (Working Days)	Syllabus to be covered	Remarks
June (10 days)	- Social organization in Honeybee, Caste system and communication. - Social organization in termites - Caste system.	
July (27 days)	- Parental Care in Fishes - Different types of nest constructed by fishes. - Parental Care in Amphibians - Different types of Nest Constructed of amphibians. - Nesting behaviour in Birds	
Aug (24 days)	- Biological clock - Origin & various types of Rhythms, Chronobiology. - Camouflage and Mimicry - Types, with examples.	
Sept (23 days)	- Innate behaviour - Kinesis, Taxes, Reflexes, Instincts, Motivation, - Learned behaviour - Habituation, imprinting, Conditioned reflex, Insight learning, - Migration in fishes - Types with examples	
Oct (15 days)	- Migration in Birds - Types with examples - Courtship behaviour - Scorpion & Peacock.	

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MONTHWISE TEACHING PLAN 2019-20

(Odd Semester)


Name of the Staff: Dr. Farzana Jabeen Class: B.Sc I Semester Sub: Zoology

Month (Working Days)	Syllabus to be covered	Remarks
June (16 days)	Biology of Non-chordata. Introduction to Non-chordata <u>Phylum Coelenterata</u> : General characters & classification.	
July (27 days)	Ph: <u>Coelenterata contd</u> : Morphology of hydra, Life cycle of hydra. <u>Phylum Platyhelminthes</u> : General characters & classification. <u>Phylum Arthropoda</u> : General characters & classification. Prawn: Morphology & appendages.	
Aug (24 days)	<u>Contd Phylum Arthropoda</u> : Prawn Digestive System & Nervous system. Mouth parts of cockroach & Mouth parts of butterfly. <u>Ph: Mollusca</u> : General characters & classification.	
Sept (23 days)	<u>Contd Ph: Mollusca</u> : Type Study of Unio - Morphology, digestive & Nervous system. <u>Phylum Echinodermata</u> : General characters & classification with examples. Larval forms of echinodermata.	
Oct (15 days)	Revision	

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MONTHWISE TEACHING PLAN 2019-20

(Odd Semester)

Name of the Staff: Dr. Farsana Tabeen Class: B.Sc III Semester Sub: Zoology

Month (Working Days)	Syllabus to be covered	Remarks
June (26 days)	<u>Applied Zoology</u> : <u>Poultry</u> : Aim & scope of poultry. Indigenous breeds of fowls.	
July (27 days)	<u>Contd. Poultry</u> : Exotic breeds of fowls, Poultry farm management - Deep litter System & cage system. Rearing of Layer birds in poultry - Chicks, growers & adult layers.	
Aug (25 days)	<u>Contd Poultry</u> : Rearing of broiler birds in poultry, Nutritive value of egg & poultry meat, poultry diseases- <u>Pearl culture</u> : Structure of oyster shell, process of pearl formation	
Sept (23 days)	<u>Dairy Farming</u> : Scope of dairy farm animals Breeds of cattles (cow) - Gir, Sindhi, Jersey, Holstein freisian. Breeds of buffalo : Murrah, Burti, Nagpuri, Mehsana. Composition of milk, milk products - curd, ghee, butter, milk powder. Breeding programme to improve local breeds of cattle. <u>Vermiculture</u> : Concept & importance. Small scale Vermiculture	
Oct (15 days)	<u>Contd</u> : Vermiculture ^{concept & importance} - Large scale Vermiculture. Role of earthworm in soil fertility Women entrepreneurship in small scale industry.	

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(Odd Semester)

Name of the Staff: *Dr. Farzana Jabbar* Class: *B.Sc V Sem.*

Sub: *Zoology*

Month (Working Days)	Syllabus to be covered	Remarks
June (16 days)	Evolution: Introduction to Evolution Theories of organic evolution - Lamarckism	
July (27 days)	Neo-Lamarckism. Darwin Wallace theory of organic evolution.	
Aug (27 days)	Synthetic theory of evolution. Speciation - Allopatric Speciation & Sympatric Speciation.	
Sept (23 days)	Microevolution & Macroevolution Fossils & Fossilization. Origin & evolution of man.	
Oct (15 days)	Revision.	

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