SRI VENKATESWARA UNIVERSITY

B.Sc. DEGREE COURSE IN BOTANY

III- SEMESTER

(Revised Syllabus under CBCS w.e.f. 2021-22)

Anatomy and Embryology of Angiosperms, Plant Ecology and Biodiversity

(Total hours of teaching – 60 @ 04 Hrs./Week)

Theory:

Learning outcomes:

On successful completion of this course, the students will be able to;

□□ Understand on the organization of tissues and tissue systems in plants.

□□ Illustrate and interpret various aspects of embryology.

□□ Discuss the basic concepts of plant ecology, and evaluate the effects of environmental and biotic factors on plant communities.

□□ Appraise various qualitative and quantitative parameters to study the population and community ecology.

□□ Correlate the importance of biodiversity and consequences due to its loss.

□□ Enlist the endemic/endangered flora and fauna from two biodiversity hot spots in India and assess strategies for their conservation.

Unit – 1: Anatomy of Angiosperms 12 Hrs.

1. Organization of apical mere stems: Tunica-corpus theory and Hostage theory.

2. Tissue systems–Epidermal, ground and vascular.

3. Anomalous secondary growth in *Boer heavier* and *Dracaena.*

4. Study of timbers of economic importance - Teak, Red sanders and Rosewood.

Unit – 2: Embryology of Angiosperms 12 Hrs.

1. Structure of anther, anther wall, types of tappet. Micro spoor genesis and development of male gametophyte.

2. Structure of ovule, mega spoor genesis; mono spore (*Polygonal*), bishopric (*Alliums*) and tetra spore (*Pepperoni*) types of embryo sacs.

3. Outlines of pollination, pollen – pistil interaction and fertilization.

4. Endosperm - Types and biological importance - Free nuclear, cellular, helobia land ruminate.

5. Development of Divot (*Casella bursa-pastors*) embryo.

Unit – 3: Basics of Ecology 12 Hrs.

1. Ecology: definition, branches and significance of ecology.
2. Ecosystem: Concept and components, energy flow, food chain, food web, ecological pyramids.
4. Plants and environment: Climatic (light and temperature), seraphic and biotic factors.
5. Ecological succession : Hydro sere and Kerosene.

Unit – 4:Population, Community and Production Ecology 12 Hrs.

1. Population ecology: Nasality, mortality, growth curves, ecotypes, cads
2. Community ecology: Frequency, density, cover, life forms, biological spectrum
3. Concepts of productivity: GPP, NPP and Community Respiration
4. Secondary production, P/R ratio and Ecosystems.

Unit – 5:Basics of Biodiversity 12 Hrs.

1. Biodiversity: Basic concepts, Convention on Biodiversity - Earth Summit.
2. Value of Biodiversity; types and levels of biodiversity and Threats to biodiversity
3. Biodiversity Hot spots in India. Biodiversity in North Eastern Himalayas and Western Ghats.
4. Principles of conservation: IUCN threat-categories, RED data book
5. Role of NBPGR and NBA in the conservation of Biodiversity.

Text books:

- Botany – III (Vrukshasastram-I) : Telugu Academy, Hyderabad
- Botany – IV (Vrukshasastram-II) : Telugu Academy, Hyderabad
- Pander, B.P. (2013) *College Botany, Volume-II,* S. Chan Publishing, New Delhi
- Pander, B.P. (2013) *College Botany, Volume-III,* S. Chan Publishing, New Delhi
- Bhattacharya, K., G. Hait&Ghosh, A. K., (2011) *A Text Book of Botany, Volume-II,* New Central Book Agency Pvt. Ltd., Kolkata

Books for Reference:

- Esau, K. (1971)*Anatomy of Seed Plants.* John Wiley and Son, USA.
- Fan, A. (1990)*Plant Anatomy*, Pergamum Press, Oxford.
- Cutler, D.F., T. Botha & D. Wm. Stevenson (2008)*Plant Anatomy: An Applied Approach,* Wiley, USA.
- Paula Udall (1987)*Anatomy of Flowering Plants: An Introduction to Structure and Development.* Cambridge University Press, London
- Bhojwani, S. S. and S. P. Bhavnagar (2000)*The Embryology of Angiosperms (4th Ed.),*Visas Publishing House, Delhi.
- Pandey, A. K. (2000) *Introduction to Embryology of Angiosperms*. CBS Publishers & Distributors Pvt. Ltd. , New Delhi
- Maheswari, P. (1971)*An Introduction to Embryology of Angiosperms*. McGraw Hill Book Co., London.
- Johri, B.M. (2011)*Embryology of Angiosperms.* Springer-Verlag, Berlin
- Pandey, B.P. (2013)*College Botany, Volume-III,* S. Chand Publishing, New Delhi
- Bhattacharya, K., A. K. Ghosh, & G. Hait (2011) *A Text Book of Botany, Volume-IV,* New Central Book Agency Pvt. Ltd., Kolkata
- Kormondy, Edward J. (1996) *Concepts of Ecology,*Prentice-Hall of India Private Limited, New Delhi
- Begon, M., J.L. Harper & C.R. Townsend (2003) *Ecology,* Blackwell Science Ltd., U.S.A.
- Eugene P. Odum (1996)*Fundamentals of Ecology,*Natraj Publishers, Dehradun
- Sharma, P.D. (2012) *Ecology and Environment*. Rastogi Publications, Meerut, India.
- N.S.Subrahmanyam& A.V.S.S. Sambamurty (2008)*Ecology*Narosa Publishing House,

New Delhi

- A. K. Agrawal& P.P. Deo (2010) *Plant Ecology,*Agrobios (India), Jodhpur

□□Kumar, H.D. (1992) *Modern Concepts of Ecology (7th Edn.,)*Vikas Publishing Co.,

New Delhi.
□□Newman, E.I. (2000): *Applied Ecology*Blackwell Scientific Publisher, U.K.

□□Chapman, J.L&M.J. Reiss (1992): *Ecology - Principles & Application*s.Cambridge

University Press, U.K.
□□Kumar H.D. (2000)*Biodiversity & Sustainable Conservation* Oxford & IBH

Publishing Co Ltd. New Delhi.
□□U. Kumar (2007) *Biodiversity : Principles & Conservation,*Agrobios (India), Jodhpur

Practical syllabus of BotanyCore Course – 3 /Semester – III
Anatomy and Embryology of Angiosperms, Plant Ecology and Biodiversity
(Total hours of laboratory exercises 30 Hrs. @ 02 Hrs./Week)

Course Outcomes:

On successful completion ofthispractical course students shall be able to:
1. Get familiarized with techniques of section making, staining and microscopic study of vegetative, anatomical and reproductive structure of plants.

2. Observe externally and under microscope, identify and draw exact diagrams of the material in the lab.

3. Demonstrate application of methods in plant ecology and conservation of biodiversityand qualitative and quantitative aspects related to populations and communities of plants.

Practical Syllabus

1. Tissue organization in root and shoot apices using permanent slides.

2. Anomalous secondary growth in stemsof *Boerhavia* and *Dracaena*.

3. Study of anther and ovule using permanent slides/photographs.

4. Study of pollen germination and pollen viability.

5. Dissection and observation of Embryo sac haustoria in *Santalum*or*Argemone.*

6. Structure of endosperm (nuclear and cellular) using permanent slides / Photographs.

7. Dissection and observation of Endosperm haustoria in *Crotalaria* or *Coccinia*.

8. Developmental stages of dicot and monocot embryos using permanent slides / photographs.

9. Study of instruments used to measure microclimatic variables; soil thermometer,

maximum and minimum thermometer, anemometer, rain gauze, and lux meter. (visit to the nearest/local meteorology station where the data is being collected regularly and record the field visit summary for the submission in the practical).
10. Study of morphological and anatomical adaptations of hydrophytes and xerophytes (02 each).

11. Quantitative analysis of herbaceous vegetation in the college campus forfrequency, density and abundance.

12. Identification of vegetation/various plants in college campus and comparison with Raunkiaer's frequency distribution law.

13. Find out the alpha-diversity of plants in the area

14. Mapping of biodiversity hotspots of the world and India.

Model paper for Practical Examination

Semester – III/ Botany Core Course – 3

Anatomy and Embryology of Angiosperms, Plant Ecology and Biodiversity

Max. Time: 3 Hrs. Max. Marks: 50

1. Take T.S. of the material 'A' (Anatomy), prepare a temporary slide and justify the identification with specific reasons. 10 M

2. Write the procedure for the experiment 'B' (Embryology) and demonstrate the same. 10 M

3. Take T.S. of the material 'C', prepare a temporary slide and justify the identification with specific reasons. 10 M

4. Identify the following with specific reasons. 4 x 3 = 12 M

D. Anatomy/Embryology
E. Ecology instrument
F. Mapping of Biodiversity hot spot
G. Endemic/endangered plant/animal

5. Record + Viva-voce 5 + 3 = 8 M

Suggested co-curricular activities for Botany CoreCourse-3 in Semester-III:
A. Measurable :

a. Student seminars :

1. Anatomy in relation to taxonomy of Angiosperms.
2. Nodal anatomy
3. Floral anatomy
4. Embryology in relation to taxonomy of Angiosperms.
5. Apomictics and polyembryony.
6. Biogeochemical cycles- Carbon, Nitrogen and Phosphorous.
7. Deforestation and Afforestation.
8. Green house effect and ocean acidification.
9. The Montreal protocol and the Kyoto protocol.
10. Productivity of aquatic ecosystems.
11. Mangrove ecosystems in India.
12. Kollerulake – Ramsar site.
13. Biodiversity hotspots of the world.
14. Origin of Crop plants - Vavilov centers
15. Agrobiodiversity
16. International organizations working on conservation of Biodiversity
17. Nagoya protocol – ABS system.
18. Endemic and endangered plants in Andhra Pradesh.

b. Student Study Projects :

1. Stomata structure in plants from college campus/ their native place.
2. Report on xylem elements in plants using maceration technique.
3. Collection of information on famous herbaria in the world and preparation of a report.
4. Microscopic observations on pollen morphology from plants in college Campus/ their native locality.
5. Study report on germination and viability of pollen in different plants.
6. Observation of anthesis time in different plants and their pollinators.
7. A report on autecology and synecology of some plants in college campus or their native place.
8. Collection of photos of endemic/endangered plant and animal species to Make an album.

9. Biodiversity of the college or their own residential/ native area.
10. Collection of seeds/vegetative organs of rare plant species from their localities and to raise/grow in college garden

c. Assignments: Written assignment at home / during '0' hour at college; preparation of charts with drawings, making models etc., on topics included in syllabus.

B. General :

1. Visit to an arboretum/silviculture station/Forest research institute to see the live timber yielding plants or to visit a local timber depot. to observe various woods.

2. Field visit to a nearby ecosystem to observe the abiotic-biotic relationships.

3. Visit to National park/Sanctuary/Biosphere reserve etc., to observe in-situ conservation of plants and animals.

4. Visit to a Botanical garden or Zoo to learn about ex-situ conservation of rare plants or animals.

5. Group Discussion (GD)/ Quiz/ Just A Minute (JAM) on different modules in syllabus of the course.

ZOOLOGY SYLLABUS FOR III SEMESTER

PAPER – III: CELL BIOLOGY, GENETICS, MOLECULAR BIOLOGY AND EVOLUTION

HOURS: 60 (5X12) **Max. Marks: 100**

Unit – I **Cell Biology**

1.1 Definition, history, prokaryotic and eukaryotic cells, virus, viroids, mycoplasma

1.2 Electron microscopic structure of animal cell.

1.3 Plasma membrane –Models and transport functions of plasma membrane.

.4Structure and functions of Golgi complex, Endoplasmic Reticulum and Lysosomes

1.5 Structure and functions of Ribosomes, Mitochondria, Nucleus, Chromosomes

(Note: 1. General pattern of study of each cell organelle – Discovery, Occurrence, Number, Origin, Structure and Functions with suitable diagrams)

2. Need not study cellular respiration under mitochondrial functions)

Unit – II **Genetics - I**

2. 1 Mendel's work on transmission of traits

2. 2 Gene Interaction – Incomplete Dominance, Codominance, Lethal Genes

2. 3 Polygenes (General Characteristics & examples); Multiple Alleles (General Characteristics and Blood group inheritance

2. 4 Sex determination (Chromosomal, Genic Balance, Hormonal, Environmental and Haplo-diploidy types of sex determination)

2. 5 Sex linked inheritance (X-linked, Y-linked & XY-linked inheritance)

Unit – III **Genetics - II**

3.1 Mutations & Mutagenesis

3.2 Chromosomal Disorders (Autosomal and Allosomal)

3.3 Human Genetics – Karyotyping, Pedigree Analysis (basics)

3.4 Basics on Genomics and Proteomics

UNIT IV: Molecular Biology

4.1 Central Dogma of Molecular Biology

4.2 Basic concepts of -

a. DNA replication – Overview (Semi-conservative mechanism, Semi-discontinuous mode, Origin & Propagation of replication fork)

b. Transcription in prokaryotes – Initiation, Elongation and Termination, Post-transcriptional modifications (basics)

c. Translation – Initiation, Elongation and Termination

4.3 Gene Expression in prokaryotes (Lac Operon); Gene Expression in eukaryotes

Unit - V

5.1 Origin of life

5.2 Theories of Evolution: Lamarckism, Darwinism, Germ PlasmTheroy, Mutation Theory

5.3Neo-Darwinism: Modern Synthetic Theory of Evolution, Hardy-Weinberg Equilibrium

5.4Forces of Evolution: Isolating mechanisms, Genetic Drift, Natural Selection, Speciation

Co-curricular activities (Suggested)

- Model of animal cell
- Working model of mitochondria to encourage creativity among students
- Photo album of scientists of cell biology
- Charts on plasma membrane models/cell organelles
- Observation of Mendelian / Non-Mendelian inheritance in the plants of college botanical garden or local village as a student study project activity
- Observation of blood group inheritance in students, from their parents and grand parents
- Karyotyping and preparation of pedigree charts for identifying diseases in family history
- Charts on chromosomal disorders
- Charts on central dogma/lac operon/genetic code
- Model of semi-conservative model of DNA replication
- Model of tRNA and translation mechanism
- Power point presentation of transcription or any other topic by students
- Draw geological time scale and highlight important events along the time line

- Chart on industrial melanism to teach directed selection, Darwin's finches to teach genetic drift, collection of data on weight of children born in primary health centres to teach stabilizing selection etc.

SRI VENKATESWARA UNIVERSITY
B.Sc. DEGREE COURSE IN CHEMISTRY
III - SEMESTER

(Revised Syllabus under CBCS w.e.f. 2021-22)

Course III - (ORGANICCHEMISTRY&SPECTROSCOPY)

60hrs (4 h / w)

Course outcomes:

At the end of the course, the student will be able to;

1. Understandpreparation,propertiesandreactionsofhaloalkanes,haloarenesand oxygencontaining functionalgroups.
2. Usethesyntheticchemistrylearntinthiscoursetodofunctionalgroup transformations.
3. Toproposeplausiblemechanismsforanyrelevantreaction

ORGANIC CHEMISTRY **34h**

UNIT – I

1. ChemistryofHalogenatedHydrocarbons: **6h**

Alkylhalides:Methodsofpreparationandproperties,nucleophilicsubstitutionreactions– SN1,SN2andSNimechanismswithstereochemicalaspectsandeffectofsolventetc.;nucleophilics ubstitutionvs.elimination, Williamson's synthesis.

Arylhalides:Preparation(includingpreparationfromdiazoniumsalts)andproperties,nucleophilic aromatic substitution;SNAr,Benzynemechanism.

Relativereactivityofalkyl,allyl,benzyl,vinylandarylhalidestowardsnucleophilicsubstitut ionreactions.

2. Alcohols &Phenols **6h**

Alcohols: preparation, properties and relative reactivity of 1°, 2°, 3° alcohols, BouvaeltBlanc Reduction; Oxidationofdiolsbyperiodicacidandleadtetra acetate,Pinacol-Pinacolonerearrangement;

Phenols:Preparationandproperties;Acidityandfactorseffectingit, Ringsubstitution reactions, Reimer–Tiemannand Kolbe's–Schmidt Reactions, Fries and Claisenrearrangements with mechanism;

UNIT-II

CarbonylCompounds **10h**

Structure,reactivity,preparationandproperties;
Nucleophilicadditions,Nucleophilicaddition-eliminationreactionswithammoniaderivatives MechanismsofAldolandBenzoincondensation,Claisan-Schmidt,Perkin, CannizzaroandWittigreaction,BeckmannhaloformreactionandBaeyerVilligeroxidation,α-substitutionreactions,oxidationsandreductions(Clemmensen,wolf–kishner,withLiAlH4 &NaBH4).
Additionreactionsof α,β-unsaturatedcarbonylcompounds:Michaeladdition.
Activemethylenecompounds:Keto-enoltautomerism.Preparationandsyntheticapplicationsofdiethyl malonateandethylacetoacetate.

UNIT-III

CarboxylicAcidsand their Derivatives **12h**

General methods of preparation, physical properties and reactions of monocarboxylic acids, effect of substituentsonacidicstrength.Typicalreactionsofdicarboxylicacids,hydroxyacidsandunsaturatedacids.
Preparationandreactionsofacidchlorides,anhydrides,estersandamides;
Comparativestudyofnucleophilicsubstitutionatacylgroup-Mechanism ofacidicandalkalinehydrolysisof esters,Claisencondensation,Reformatskyreactions and Curtiusrearrangement
Reactions involving H, OH and COOH groups- salt formation, anhydride formation, acid chloride formation, amide formation and esterification (mechanism). Degradation of carboxylic acids by Huns-Diecker reaction, decarboxylation by Schimdt reaction, Arndt-Eistert synthesis, halogenation by Hell- Volhard- Zelinsky reaction.

SPECTROSCOPY **26 h**

UNIT-IV

MolecularSpectroscopy: **18h**

Interactionofelectromagneticradiationwithmoleculesandvarioustypesof spectra;
Rotation spectroscopy: Selection rules, intensities of spectral lines, determination of bond lengths of diatomic and linear triatomic molecules, isotopic substitution.
Vibrationalspectroscopy: Classicalequationofvibration, computationofforceconstant, Harmonic and anharmonic oscillator, Morsepotential curve,vibrational degreesoffreedom

forpolyatomic molecules, modesofvibration. Selection rules for vibrational transitions, Fundamentalfrequencies, overtones and hotbands.

Electronic spectroscopy: Energy levels of molecular orbitals (σ, π, n). Selection rules for electronic spectra. Types of electronic transitions in molecules, effect of conjugation. Concept of chromophore. bathochromic and hypsochromic shifts.Beer-Lambert's law and its limitations.

Nuclear Magnetic Resonance (NMR) spectroscopy: Principles of nuclear magnetic resonance, equivalent and non-equivalent protons, position of signals. Chemical shift, NMR splitting of signals - spin-spin coupling, coupling constants. Applications of NMR with suitable examples - ethyl bromide, ethanol, acetaldehyde, 1,1,2-tribromo ethane, ethyl acetate, toluene and acetophenone.

UNIT-V **8h**

Application of Spectroscopy to Simple Organic Molecules

Application of visible, ultraviolet and Infrared spectroscopy in organic molecules.

Application of electronic spectroscopy and Woodward rules for calculating λ_{max} of conjugated dienes and α,β – unsaturated compounds.

Infrared radiation and types of molecular vibrations, functional group and fingerprint region. IR spectra of alkanes, alkenes and simple alcohols (inter and intramolecular hydrogen bonding), aldehydes, ketones, carboxylic acids and their derivatives (effect of substitution on >C=O stretching absorptions).

Co-curricular activities and Assessment Methods

ContinuousEvaluation:Monitoringtheprogressof student'slearning

ClassTests,WorksheetsandQuizzes

Presentations,ProjectsandAssignmentsandGroupDiscussions:Enhancescriticalthinkingskillsand personality

Semester-endExamination:criticalindicatorofstudent'slearningandteachingmethodsadoptedby teachersthroughoutthesemester.

List of Reference Books

1. A Text Book of Organic Chemistry by Bahl and Arunbahl
2. A Text Book of Organic chemistry by I L FinarVol I
3. Organic chemistry by Bruice
4. Organic chemistry by Clayden
5. Spectroscopy by William Kemp

6. Spectroscopy by Pavia
7. Organic Spectroscopy by J. R. Dyer
8. Elementary organic spectroscopy by Y.R. Sharma
9. Spectroscopy by P.S.Kalsi
10. Spectrometric Identification of Organic Compounds by Robert M Silverstein, Francis X Webster
11. Mann, F.G. & Saunders, B.C. Practical Organic Chemistry, Pearson Education (2009)
12. Furniss, B.S., Hannaford, A.J., Smith, P.W.G. &Tatchell, A.R. Practical Organic Chemistry, 5th Ed. Pearson (2012)
13. Ahluwalia, V.K. & Aggarwal, R. Comprehensive Practical Organic Chemistry: Preparation and Quantitative Analysis, University Press (2000).

SRI VENKATESWARA UNIVERSITY
B.Sc. DEGREE COURSE IN CHEMISTRY
THIRD SEMESTER

(Revised Syllabus under CBCS w.e.f. 2021-22)

LABORATORY COURSE -III **30hrs (2 h / w)**

Practical Course-III Organic preparations and IR Spectral Analysis

(At the end of Semester- III)

Course outcomes:

On the completion of the course, the student will be able to do the following**:**

1. how to use glassware, equipment and chemicals and follow experimental procedures in the laboratory
2. how to calculate limiting reagent, theoretical yield, and percent yield
3. how to engage in safe laboratory practices by handling laboratory glassware, equipment, and chemical reagents appropriately
4. how to dispose of chemicals in a safe and responsible manner
5. how to perform common laboratory techniques including reflux, distillation, re crystallization, vacuum filtration.
6. how to create and carry out work up and separation procedures
7. how to critically evaluate data collected to determine the identity, purity, and percent yield of products and to summarize findings in writing in a clear and concise manner

Organic preparations: **30M**

i. Acetylation of one of the following compounds:

amines (aniline, o-, m-, ptoluidines and o-, m-, p-anisidine) and phenols (β-naphthol, vanillin, salicylic acid) by any one method:

a. Using conventional method.

b. Using green approach

ii. Benzolyation of one of the following amines

(aniline, o-, m-, p- toluidines and o-, m-, p-anisidine)

iii. Nitration of any one of the following:

a. Acetanilide/nitrobenzene by conventional method

b. Salicylic acid by green approach (using ceric ammonium nitrate).

IR Spectral Analysis **10M**

IR Spectral Analysis of the following functional groups with examples

a) Hydroxyl groups

b) Carbonyl groups

c) Amino groups

d) Aromatic groups

Records: 10M

SRI VENKATESWARA UNIVERSITY
B.Sc. DEGREE COURSE IN CHEMISTRY
III - SEMESTER

(Revised Syllabus under CBCS w.e.f. 2021-22)

CHEMISTRY COURSE-III: ORGANIC CHEMISTRY & SPECTROSCOPY

MODEL QUESTION PAPER

Time: 3 hours Maximum Marks: 75

PART- A 5 X 5 = 25 Marks

Answer any **FIVE** of the following questions. Each carries **FIVE** marks

1. Discuss two methods for preparation of aryl halides.
2. Explain the mechanism for Pinacol-Pinacolone rearrangement.
3. Discuss the mechanism for Bayer-villiger oxidation reaction.
4. Explain the effect of substituents on acidic strength of mono-carboxylic acids.
5. Write the mechanism for Claisen Condensation reaction.
6. Write the selection rules in rotational spectroscopy.
7. Explain Spin – Spin coupling and Coupling Constant.
8. Explain types of electronic transitions in UV spectroscopy.

PART- B 5 X 10 = 50 Marks

Answer **ALL** the questions. Each carries **TEN** marks

9 (a). Give the mechanism & stereochemistry of SN^1& SN^2 reactions of alkyl halides with suitable example.

(or)

(b). Explain the following reactions with mechanism.
(i) Reimer-Tiemann reaction (ii) Fries rearrangement.

10 (a). Discuss the mechanism for following reactions.
(i) Perkin reaction. (ii) Cannizaro reaction

(or)

(b). Write the preparation and any three synthetic applications of diethyl malonate.

11.(a). Explain acid and base hydrolysis reaction of esters with mechanism.

(or)

(b). Explain the mechanisms of Curtius rearrangement & Arndt

–Eistert reaction. 12.(a). (i) Write a note on vibrational degrees of

freedom for polyatomic molecules.

(ii) Explain different modes of vibrations & selection rules in IR spectroscopy.

(or)

(b).(i) Define Bathochromic shift. Explain the effect of conjugation in U.V. spectroscopy.

(ii) Discuss the principle of NMR spectroscopy.

13.(a). Write Woodward-Fieser rules for calculating λmax for conjugated dienes and α,β – unsaturated carbonyl compounds , and apply them for one example each.

(or)

(b).(i) What is Fingerprint region. Explain its signigicance with an example.(ii) Write IR spectral data for any one alcohol, aldehyde and ketone

English Syllabus-Semester-III

English Praxis Course-III

A Course in Conversational Skills

I. UNIT

Speech	: 1. Tryst with Destiny	Jawaharlal Nehru
Skills	: 2. Greetings	
	: 3. Introductions	

II. UNIT

Speech	: 1. Yes, We Can	Barack Obama
Interview	: 2. A Leader Should Know How to Manage Failure	
	Dr.A.P.J.Abdul Kalam/ India Knowledge at Wharton	
Skills	: 3. Requests	

III. UNIT

Interview	: 1. Nelson Mandela's Interview	With Larry King
Skills	: 2. Asking and Giving Information	
	: 3. Agreeing and Disagreeing	

IV. UNIT

Interview	: 1. JRD Tata's Interview	With T.N.Ninan
Skills	: 2. Dialogue Building	
	: 3. Giving Instructions/Directions	

V. UNIT

1. **Speech**	: 1. You've Got to Find What You Love	Steve Jobs
Skills	: 2. Debates	
	: 3. Descriptions	
	: 4. Role Play	

Approved by BOS (PASS)

w.e.f. 2020-2021

M Sonalakshmi
3/9/2020
Chairperson
BOS in English
(PASS)

SRI VENKATESWARA UNIVERSITY
B.A./B.Com./B.Sc. DEGREE EXAMINATION
III SEMESTER
(Revised Syllabus under CBCS w.e.f. 2021-22)
ENGLISH PRAXIS COURSE – III
A COURSE IN CONVERSATIONAL SKILLS
MODEL QUESTION PAPER

Time: 3 Hours Max. Marks: 75

I Answer any THREE of the following questions. (3x5=15)

a. What according to Pandit Nehru, the tryst with destiny that Indian made?

b. How do you greet people in formal, informal and semi-formal ways?

c. Who according to the author is "The greatest man of our generation". What is his ambition?

d. Imagine that you are working at S.V. Degree College as a Lecturer. How do you introduce your friend to the Principal ?

e. How do you introduce yourself to your Lecturer on the first day of your college?

II Answer any THREE of the following questions. (3x5=15)

a. Summarize Obama's speech "Yes, We can".

b. What did A.P.J. Abdul Kalam say about success?

c. Write a critical analysis of Obama's Victory Speech.

d. How did A.P.J. Abdul Kalam handle failure?

e. Imagine that you have to pay the college tuition fee. How do you make a request with your parents to pay your tuition fee?

III Answer any THREE of the following questions. (3x5=15)

a. Summarize Nelson Mandela's Interview with Larry King.

b. Imagine that you are leaving for Mumbai. You seek information on the arrival of the train.

c. Write a note on Nelson Mandela.

d. How do you give information when a stranger approaches you to help him for the admission in your college?

e. Give two phrases for agreeing and two phrases for disagreeing.

IV Answer any THREE of the following questions. (3x5=15)

a. Is Mr. Ratan Tata an angry person? What has been the greatest frustration of him?

b. Construct a dialogue between two friends about their career.

c. What is the opinion of Mr. Ratan Tata on Reliance Industries?

d. Write instructions to prepare coffee.

e. How do you direct when your junior requests you to show the way to Tirumala bus stand?

V Answer any THREE of the following questions. (3x5=15)

a. What was the message of you've got to find what you love?

b. What is a debate? How does it help students?

c. What did Steve Jobs love to do?

d. Describe your native place.

e. What are the benefits of Role plays?

(Dr M. Sreelatha),
Chairperson,
BOS in English (PASS).

బి.ఏ., బి.కాం., బి.యస్.సి., తదితర ప్రోగ్రాములు

అంశం : జనరల్ తెలుగు సెమిస్టర్ – III

కోర్సు – 3 : సృజనాత్మక రచన (Creative Writing)

యూనిట్ల సంఖ్య : 5 **పీరియడ్ల సంఖ్య : 60**

❖ **అభ్యసన ఫలితాలు :-**

ఈ కోర్సు విజయవంతంగా ముగించాక విద్యార్థులు క్రింది అభ్యసన ఫలితాలను పొందగలరు.

1. తెలుగు సాహిత్య అభ్యసన ద్వారా నేర్చుకున్న నైపుణ్యాలను, సృజనాత్మక నైపుణ్యాలుగా మార్చుకోగలరు.
2. విద్యార్థులు భాషాతత్వాన్ని, భాష యొక్క ఆవశ్యకతను, భాష యొక్క ప్రాధాన్యాన్ని గుర్తిస్తారు. మనిషి వ్యక్తిగత జీవనానికి, సామాజిక వ్యవస్థ పటిష్ఠతకు భాష ప్రధానమని తెలుసుకుంటారు. తెలుగుభాషలో కీలకాంశాలైన "వర్ణం – పదం – వాక్యా"ల ప్రాధాన్యాన్ని గుర్తించి వాగ్రూప – లిఖితరూప వ్యక్తీకరణ ద్వారా భాషానైపుణ్యాలను మెరుగుపరచుకోగలరు.
3. భాషానైపుణ్యాలను అలవరచుకోవడంతోపాటు వినియోగించడం నేర్చుకుంటారు. రచనా, భాషానైపుణ్యాలను సృజనాత్మక రూపంలో వ్యక్తీకరించగలరు.
4. ప్రాచీన పద్యరచనతో పాటు ఆధునిక కవిత, కథ, వ్యాసం మొదలైన సాహిత్యప్రక్రియల నిర్మాణాలకు సంబంధించిన సిద్ధాంతవిషయాలను నేర్వడంతో పాటు వారిలో రచనా నైపుణ్యాలను పెంపొందించుకోగలరు.
5. సృజన రంగం, ప్రసారమాధ్యమ రంగాల్లో ఉపాధి అవకాశాలను అందిపుచ్చుకోగలరు.
6. అనువాద రంగంలో నైపుణ్యం సంపాదించగలరు.

పాఠ్యప్రణాళిక

యూనిట్ – I: వ్యక్తీకరణ నైపుణ్యాలు

1. భాష – ప్రాథమికాంశాలు : భాష – నిర్వచనం, లక్షణాలు, ఆవశ్యకత, ప్రయోజనాలు
2. వర్ణం – పదం – వాక్యం : వాక్య లక్షణాలు, సామాన్య – సంయుక్త – సంశ్లిష్ట వాక్యాలు
3. భాషానిర్మాణంలో 'వర్ణం – పదం – వాక్యం' ప్రాధాన్యత

యూనిట్ – II: వ్యక్తీకరణ నైపుణ్యాలు

4. కవితా రచన : ఉత్తమ కవిత – లక్షణాలు
5. కథారచన : ఉత్తమ కథ – లక్షణాలు
6. వ్యాస రచన : ఉత్తమ వ్యాసం – లక్షణాలు

యూనిట్ – III: అనువాద రచన

7. అనువాదం – నిర్వచనం, అనువాద పద్ధతులు.
8. అనువాద సమస్యలు – భౌగోళిక, భాషా, సాంస్కృతిక సమస్యలు, పరిష్కారాలు.
9. అభ్యాసము : ఆంగ్లం నుండి తెలుగుకు, తెలుగు నుండి ఆంగ్లానికి ఒక పేరాను అనువదించడం.

యూనిట్ – IV: మాధ్యమాలకు రచన – 1 (ముద్రణామాధ్యమం / ప్రింట్ మీడియా)

10. ముద్రణామాధ్యమం (అచ్చుమాధ్యమం) : పరిచయం, పరిధి, వికాసం
11. వివిధ రకాల పత్రికలు – పరిశీలన : పత్రికాభాష, శైలి, వైవిధ్యం
12. పత్రికా రచన : వార్తారచన, సంపాదకీయాలు, సమీక్షలు – అవగాహన

యూనిట్ – V: మాధ్యమాలకు రచన – 2 (ప్రసారమాధ్యమం / ఎలక్ట్రానిక్ మీడియా)

13. ప్రసారమాధ్యమాలు : నిర్వచనం, రకాలు, విస్తృతి, ప్రయోజనాలు
14. శ్రవణమాధ్యమాలు – రచన : రేడియో రచన, ప్రసంగాలు, నాటికలు, ప్రసార సమాచారం
15. దృశ్యమాధ్యమాలు – రచన : వ్యాఖ్యానం (యాంకరింగ్), టెలివిజన్ రచన

ఆధార గ్రంథాలు / వ్యాసాలు :

1. వ్యక్తీకరణ నైపుణ్యాలు – చూ. 1. ఆధునిక భాషాశాస్త్ర సిద్ధాంతాలు – ఆచార్య పి.ఎస్. సుబ్రహ్మణ్యం
2. తెలుగు భాషా చరిత్ర – సం.ఆచార్య భద్రిరాజు కృష్ణమూర్తి
3. తెలుగు వాక్యం – డా. చేకూరి రామారావు.

2. ఉత్తమ కవిత – లక్షణాలు – చూ. నవ్యకవిత్వ లక్షణములు – ఆచార్య సి. నారాయణ రెడ్డి
ఆధునికాంధ్ర కవిత్వము – సంప్రదాయములు, ప్రయోగములు, చతుర్థ ప్రకరణము

3. ఉత్తమ కథ – లక్షణాలు – చూ. కథాశిల్పం – వల్లంపాటి వెంకటసుబ్బయ్య, పుటలు 11–17

4. ఉత్తమ వ్యాసం – లక్షణాలు – చూ. చదువు – సంస్కృతి (వ్యాసం) – కొడవటిగంటి కుటుంబరావు

5. అనువాద రచన – చూ. 1. అనువాద సమస్యలు – రాచమల్లు రామచంద్రా రెడ్డి,
పుటలు 61–75, 85 – 94.
2. అనువాదన పద్ధతులు ఆచరణ సమస్యలు – చేకూరి రామారావు
"భాషాంతరంగం", పుటలు 130 – 146, తెలుగు విశ్వవిద్యాలయం ప్రచురణ.

6. ముద్రణా మాధ్యమం – చూ. మాధ్యమాలకు రచన, పుటలు 9 – 12.
– డా॥ బి.ఆర్. అంబేద్కర్ విశ్వవిద్యాలయ ప్రచురణ

7. పత్రికా భాష – చూ. మాధ్యమాలకు రచన, పుటలు 67 – 74.
– డా॥ బి.ఆర్. అంబేద్కర్ విశ్వవిద్యాలయ ప్రచురణ

8. పత్రికా రచన – చూ. తెలుగు – మౌలికాంశాలు, పుటలు 59 – 69
– డా॥ బి.ఆర్. అంబేద్కర్ విశ్వవిద్యాలయ ప్రచురణ

9. ప్రసార మాధ్యమాలు – చూ. మాధ్యమాలకు రచన, పుటలు 3 – 10
– డా॥ బి.ఆర్. అంబేద్కర్ విశ్వవిద్యాలయ ప్రచురణ

10. రేడియో రచన – చూ. మాధ్యమాలకు రచన, పుటలు 141 – 148
– డా॥ బి.ఆర్. అంబేద్కర్ విశ్వవిద్యాలయ ప్రచురణ

11. వ్యాఖ్యానం (యాంకరింగ్) – చూ. మాధ్యమాలకు రచన, పుటలు 178 – 181
– డా॥ బి.ఆర్. అంబేద్కర్ విశ్వవిద్యాలయ ప్రచురణ

12. టెలివిజన్ రచన – చూ. మాధ్యమాలకు రచన, పుటలు 153 – 160
– డా॥ బి.ఆర్. అంబేద్కర్ విశ్వవిద్యాలయ ప్రచురణ

13. తెలుగు జర్నలిజం – డా॥ బూదరాజు రాధాకృష్ణ

సూచించబడిన సహ పాఠ్య కార్యక్రమాలు

1. భాషాంశాలపై, వాక్య నిర్మాణంపై అసైన్‌మెంట్లు రాయించడం, పత్రికల్లోని సాహిత్య / భాషాంశాలను సేకరింపజేయడం.
2. విద్యార్థులచేత తెలుగుభాషా సాహిత్యాలపై ప్రసంగవ్యాసం ఇప్పించడం (సెమినార్ / అసైన్‌మెంట్)
3. వ్యాసరచన, లేఖారచన, స్వీయకవితలు రాయించి, తరగతిలో చదివింపచేయడం మొదలైనవి.
4. వివిధ కార్యక్రమాల్లో విద్యార్థులచేత సదస్సు నిర్వహణ, వ్యాఖ్యానం (యాంకరింగ్) చేయించడం.
5. సమకాలీన భాషాసమస్యలపై / ఉద్యమాలపై / సాంఘిక సమస్యలపై 'బృందచర్చ' (Group Discussion) నిర్వహింపచేయడం.
6. తెలుగుభాషా దినోత్సవం / అంతర్జాతీయ మాతృభాషా దినోత్సవం మొదలైన రోజుల్లో జరిగే సాంస్కృతిక కార్యక్రమాలు విద్యార్థులచేత నిర్వహింపజేయడం. వాటిపై సమీక్షలు / పత్రికా ప్రకటనలు రాయించడం.
7. సమకాలీన సంఘటనలపై సామాజిక మాధ్యమాల్లో / టి.వి.ల్లో జరిగే చర్చలను నమోదు చేయించి సంకలనం చేయడం.
8. సాంస్కృతిక / చారిత్రక ప్రాశస్త్యం కలిగిన కట్టడాలు, దేవాలయాలు, కళానిలయాలను బృందపర్యటన / క్షేత్ర పర్యటన' ద్వారా విద్యార్థులచేత సందర్శింపజేయడం.

❖ ప్రశ్నాపత్ర నమూనా ❖

అ–విభాగము

సంక్షిప్త సమాధాన ప్రశ్నలు – ప్రతి యూనిట్ నుంచి తప్పనిసరిగా ఒక ప్రశ్న ఇస్తూ, మొత్తం ఎనిమిది ప్రశ్నలు ఇచ్చి, ఐదింటికి సమాధానం రాయమనాలి. 5×5=25 మా.

ఆ–విభాగము

వ్యాసరూప సమాధాన ప్రశ్నలు – ప్రతి యూనిట్ నుంచి తప్పనిసరిగా రెండు ప్రశ్నలు ఇచ్చి ఒక ప్రశ్నకు సమాధానం రాయమనాలి. మొత్తం ప్రశ్నలు 5. 5×10=50 మా.

బి.ఏ., బి.కాం., బి.యస్.సి., తదితర ప్రోగ్రాములు

అంశం : జనరల్ తెలుగు సెమిస్టర్ – III

❖ మాదిరి ప్రశ్నాపత్రం ❖

కోర్సు – 3 : సృజనాత్మక రచన (Creative Writing)

అ–విభాగము

క్రిందివానిలో ఐదింటికి సంక్షిప్త సమాధానాలు రాయండి. 8వ ప్రశ్నకు తప్పనిసరిగా సమాధానం రాయాలి.
ప్రతి సమాధానానికి 5 మార్కులు. 5×5=25 మా.

1. భాష – ప్రయోజనాలు
2. వాక్యం – లక్షణాలు
3. టెలివిజన్ రచన
4. రేడియో రచన
5. ఉత్తమ వ్యాసం – లక్షణాలు
6. సంశ్లిష్ట వాక్యం
7. సంపాదకీయాలు
8. క్రింది అంశాన్ని తెలుగులోకి అనువదించి రాయండి.

To many, Indian thought, Indian manners, Indian customs, Indian Philosophy, Indian Literature are repulsive at the first sight: but let them preserve, let them read, let them become familiar with the great principles underlying these ideas, and it is ninety-nine to one that the charm will come over them, and fascination will be the result. Slow and silent, as the gentle dew that falls in the morning, unseen and unheard yet producing, a most tremendous result, has been the work of the calm, patient, all - suffering spiritual race upon the World of thought.

ఆ–విభాగము

క్రిందివానిలో అన్ని ప్రశ్నలకు సమాధానాలు రాయండి. ప్రతి సమాధానానికి 10 మార్కులు 5×10=50 మా.

9. భాషానిర్మాణంలో 'వర్ణం – పదం – వాక్యా'ల ప్రాధాన్యతను వివరించండి.

(లేదా)

భాషను నిర్వచించి, లక్షణాలు రాసి, ప్రామాణిక భాషను పరిచయం చేయండి.

10. ఉత్తమ కవితా లక్షణాలను విశ్లేషించండి.

(లేదా)

ఉత్తమ కథా లక్షణాలను వివరించండి.

11. అనువాద సమస్యలను, వాటి పరిష్కారాలను గూర్చి రాయండి

(లేదా)

అనువాద లక్షణాలను వివరిస్తూ, అనువాద పద్ధతులను గురించి రాయండి.

12. ముద్రణా మాధ్యమాన్ని పరిచయం చేస్తూ : దాని పరిధి, వికాసాలను వివరించండి.

(లేదా)

పత్రికా రచనను గురించి విశ్లేషణాత్మక వ్యాసం రాయండి.

13. ప్రసార మాధ్యమాల విస్తృతి, ప్రయోజనాలను సమీక్షించండి.

(లేదా)

యాంకరింగ్ నిర్వహణ, తీరుతెన్నులను వివరించండి.

CBCS SEMESTER WISE SYLLABUS

Part I (B) Subject : **SANSKRIT**

SEMESTER – III

PAPER – III : Drama, Upanishad, Alankara and History of Literature.

UNIT – I : **OLD DRAMA**

1.''**Madhyamavyayogaha**''. Bhasa Natakachakram.
krishadas academy, Varanasi 1998.

UNIT – II :MODERN DRAMA

''Sankalpabalam'' by Prof.G.S.R.Krishna Murthy,
Published by Semushi, R.S.Vidyapeetam, Tirupati-2019.

UNIT – III :UPANISHAD

1.''**Sishyanusasanam**'' – Sikshavalli of Taittireeyopanishad.

2. **''Sraddatrayavibhagayoga''**,

17th Chapter, Bhagavadgita, Geetapress, Gorakhpoor.

UNIT - IV : **1. ALANKARAS**:

1. Upama 2. Ananvaya 3. Utpreksha 4. Deepakam

5. Aprastutaprasamsa 6.Drushtanta 7. Prateepa.

2.HISTORY OF SANSKRIT LITERATURE

1.Panini 2.Koutilya 3.Bharatamuni 4. Bharavi 5.Magha

6.Bhavabhuti 7. Sankaracharya 8.Jagannatha. 9. Dandi.

UNIT – V : **HALANTA SABDAS**

1.Jalamuch 2.Vaach 3.Marut 4.Bhagavat 5.Bhavat

6.Pachats 7. Naman 8.Rajan 9.Gunin 10.Vidwas 11. Manas.

III SEMESTER
QUESTION PAPER PATTERN

प्रश्नापत्रप्रणाली

Time : 3 Hours Max. Marks : 75

सूचना :- प्रथम-तृतीय-चतुर्थी-पञ्चम-प्रश्नाः संस्कृत भाषायामेव समाधेयाः।

Q.No. 1, 3, 4, 5 Should be answered in Sanskrit Only

प्रथमो भागः (25 Marks)

1.	श्लोकपूरणम्। (Unit-III-श्रद्धात्रयविभागयोगः) (नक्षत्राङ्कितश्लोकाः)	2 Out of 4	$2 \times 2^{1/2} = 05$
2.	भावलेखनम् (Unit-III-श्रद्धात्रयविभागयोगः) (नक्षत्राङ्कितश्लोकाः)	2 Out of 4	$2 \times 2^{1/2} = 05$
3.	लघुप्रश्नाः (Unit-I & II)	5 Out of 8	$5 \times 1 = 05$
4.	लघुप्रश्नाः (Unit-III)	5 Out of 8	$5 \times 1 = 05$
5.	निर्दिष्ट विभक्ति रूप लेखनम्	5 out of 8	$5 \times 1 = 05$
			25

द्वितीयो भागः (50 Marks)

6.	निबन्धप्रश्नः (Unit-I)	1 out of 2	$1 \times 08 = 08$
7.	निबन्धप्रश्नः (Unit-II)	1 out of 2	$1 \times 08 = 08$
8.	निबन्ध प्रश्नः (Unit-III)	1 out of 2	$1 \times 08 = 08$
9.	सन्दर्भ वाक्यानि (from Unit I,II & III)	4 out of 8	$4 \times 2^{1/2} = 10$
10.	अलङ्काराः (from Unit IV)	2 out of 4	$2 \times 04 = 08$
11.	लघुविवरणम् (from Unit IV)	2 out of 4	$2 \times 04 = 08$
			50

प्रथमोभागः - 25

द्वितीयोः भागः - 50

अन्तर्गतपरीक्षा -25

100

Internal Assessment Mid-Sem - 15

Assignment / Seminar - 5 Attendance - 5

25

B.A. / B.Sc. / B.Com. Second Year.
Sub : I (B) - SANSKRIT-III, Semester-III
PAPER -III : Drama, Upanishad, Geeta, Alankaras & History of Literature
Time : 3 Hours Max. Marks : 75

सूचना :- प्रथम-तृतीय-चतुर्थी-पञ्चम-प्रश्नाः संस्कृत भाषायामेव समाधेयाः।
Q.No. 1, 3, 4, 5 Should be answered in Sanskrit Only

प्रथमो भागः (5x5=25 Marks)

I. द्वौ श्लोकौ पूर्णतया लिखत । $2 \times 2^{1/2} = 05$

1. त्रिविधा ----------तां शृणु ॥
2. आयुः ----------सात्विक प्रियाः ॥
3. देवद्विज ---------- तप उच्यते ॥
4. दातव्यमिति ----------स्मृतम् ॥

II. द्वयोः श्लोकयोः भावं लिखत । $2 \times 2^{1/2} = 05$

1. यातयामं गतरसं पूति पर्युषितं च यत् ।
   उच्चिष्टमपि चामेध्यं भोजनं तामसप्रियम् ॥
2. अनुद्वेगकरं वाक्यं सत्यं प्रियहितं च यत् ।
   स्वध्यायाभ्यासनं चैव वाङ्मयं तप उच्यते ॥
3. मनःप्रसादसौम्यत्वं मौनमात्मविनिग्रहः ।
   भावसंशुद्धिरित्येतत् तपो मानस मुच्यते ।
4. कट्वम्ल लवणात्युष्ण तीक्ष्णरुक्षविदाहिनः ।
   आहारा राजसस्येष्टा दुःखशोकामयप्रदाः ॥

III. पञ्चानां लघुसमाधानानि लिखत $5 \times 1 = 05$

1. पाण्डवाः कीदृशाः ?
2. माता कीदृशी ?
3. मध्यम व्यायोगे मध्यमौ कौ ?
4. द्विजसत्तमः किमर्थं मोचनीयः ?
5. श्रुतिवचनं किम् ?
6. गान्धिमहाशयस्य संकल्पबलं किम् ?
7. सङ्कल्पबलमिति लघुरूपकं केन विरचितम् ?
8. गान्धिमहाशयस्य कस्मिन् आस्था आसीत् ?

IV. पञ्चानां लघुसमाधानानि लिखत $5 \times 1 = 05$

1. धर्ममूलं किम् ।
2. काभ्यां न प्रमदितव्यम् ।
3. "उपनिषद्" इति शब्दस्य अर्थः कः ।
4. प्रधानाः उपनिषदः कति ।

(Cont... Pae 2)

5. त्रिविधा श्रद्धा का? 6. किं असत् उच्यते ?

7. किं शरीरं तपः? 8. वाङ्मयतपः किम् ?

V. पञ्चनां निर्दिष्ट विभक्ति रूपाणि लिखत । 5 x 1 = 05

1. जलमुच् (द्वितीया) 2. वाच् (चतुर्थी) 3. भगवत् (तृतीया)

4. भवत् (पञ्चमी) 5. पचत् (सप्तमी) 6. राजन् (षष्ठी)

7. विद्वस् (प्रथमा) 8. मनस् (पञ्चमी)

द्वितीयो भागः (50 Marks)

VI. a. घटोत्कचस्य स्वभावं विशदयत। (अथवा) 8 x 1 = 08

b. भीमस्य शीलं वर्णयत ?

VII. a. सङ्कल्पबलरूपकस्य कथासारं लिखत ? (अथवा) 1 x 08 = 08

b. गान्धिमहाशयस्य सङ्कल्पबलं विशदयत ?

VIII. a. गुरुःशिष्यान् किं अनुशास्ति ? (अथवा) 1 x 08 = 08

b. श्रद्धात्रयविभागयोगस्य सारांशं लिखत ।

IX. चतुर्णां ससन्दर्भं वाक्यानि लिखित । $4 \times 2^{1/2} = 10$

1. द्विजोत्तमाः पूज्यतमाः पृथिव्याम् ।

2. वनं निवासाभिमतं मनस्विनाम् ।

3. निर्वेदप्रत्यार्थनी खलुप्रार्थना

4. अतिराक्षसं खलु ते वचनम् ।

5. मानवजन्म दुर्लभम् ।

6. अहिंसामेव समाश्रुत्य हिंसां गन्धयितुं क्षमा ।

7. स्वाध्यायान्माप्रमदः

8. एष आदेशः, एष उपदेशः एतदनुशासनम् ।

X. द्वयोः अलङ्कारयोः लक्ष्यलक्षण समन्वयं कुरुत । 4 x 2 = 08

1. अनन्वयः 2. दीपकम्

3. उपमा 4. दृष्टान्तः

XI. द्वयोः लघुविवरणं कुरुत। 4 x 2 = 08

1. माघः 2. भारविः

3. कौटिल्यः 4. भरतमुनिः

* * *

SV UNIVERSITY

II B.A.,/B.Com.,/B.Sc., SEMESTER – III : GENERAL HINDI PAPER – II

(**Old & Modern Poetry, History of Hindi Literature, Essays, Translation and Official Letters)**

SYLLABUS

1.**काव्यदीप :** साखी – १-१०

सूरदास - बाल वर्णन

आगे बढ़, आगे – मैथिलीशरण गुप्त #

भिक्षुक - निराला

चरण चले, ईमान अचल हो ! – माखनलाल चतुर्वेदी

2. **हिन्दी साहित्य का इतिहास :**

भक्तिकाल : स्वर्ण युग

ज्ञानाश्रयी शाखा – कबीर, प्रेमाश्रयी शाखा – जायसी

3.**साधारण निबंध :**

नारी शिक्षा का महत्त्व

प्रदूषण का खतरा

विश्व भाषा के रूप में हिन्दी

भारत की वर्तमान समस्याएँ

स्वच्छ भारत

4.**अनुवाद** : अंग्रेजी से हिन्दी **(** 3-4 lines)

तेलुगु से हिन्दी

5.**प्रयोजन मूलक हिन्दी** : सरकारी पत्र (Official letters)

ज्ञापन, परिपत्र, सूचना

SRI VENKATESWARA UNIVERSITY - TIRUPATI

OBJECTIVES AND OUTCOMES
For
Second Language – Urdu
Second Year Degree Course Second Language Part - 1(b)
Paper – III: Urdu Prose Fiction
(With effect for 2020-2021)

OBJECTIVES:

Objectives as per the Bloom's Taxonomy: Knowledge, Comprehension, Application, Analysis, Synthesis, and Evaluation for the ***Remembering, Understanding, Applying and Analyzing, Evaluating and Creating.***

By the end of the course the students will demonstrate the following on completion of this course, the students will be able to:

- Know about the Urdu Novel, Drama, Afsana and Dastaan
- Remember all the basic concepts of Urdu Novel, Drama, Afsana and Dastaan
- To provide basic and essential knowledge of Urdu Fiction.
- To train the students in speaking, reading and writing skills.
- To create interest in Writing own essay in Urdu among the students.

OUTCOMES:

At the end of the course, the student is expected to demonstrate the following Cognitive abilities (thinking skill) and Psychomotor Skills as per the Bloom's Taxonomy:
Knowledge, Comprehension, Application, Analysis, Synthesis, and Evaluation for the ***Remembering, Understanding, Applying and Analyzing Evaluating and Creating.***

A. Remember all the basic concepts (knowledge)
   1.Contributions of the Writers in Urdu literature
B. Explains (Understanding)
   2.Theme of the of the Urdu Novel, Drama, Afsana and Dastaan
   3.Heritage and Culture of the Urdu Novel, Drama, Afsana and Dastaan
C. Critically examines, (Analysis and Evaluation)
   4. Creative Thinking in view of the Novel, Drama, Afsana and Dastaan
D. Appraises (Evaluate)
   5. Urdu Novel, Drama, Afsana and Dastaan.
   6. The Rise and Growth of Urdu Novel, Drama, Afsana and Dastaan
E. Examines (Analyze)
   7. Differs between Urdu Novel, Drama, Afsana and Dastaan
F. Investigates (Create)
   8.Creating awareness in the students about life attitude and environment.
G. Create interest in Writing own essay in Urdu among the students (Practical skills)

Chairman 03/08/21
BOS in Urdu
Dr. Mohd. Nisar Ahamed
M.A., M.Phil., Ph.D.
Associate Professor
Dept. of Arabic, Persian & Urdu
S.V. University, Tirupati-517 502, A.P.

SRI VENKATESWARA UNIVERSITY - TIRUPATI

Syllabus for (B.A./ B.Com. / B.Sc.) U.G. under CBCS
Second Language – Urdu
Second Year Degree Course Second Language Part - 1(b)
Paper – III: Urdu Prose Fiction
(With effect for 2020-2021)

SEMESTER - III

UNIT – I **AFSANAWI ADAB KA TA'ARUF**

UNIT – II **DASTAN**
Shuru Qisse ka **(Baagh-oBahar: Meer Amman)**

UNIT – III **NOVEL**
Kaleem ka Mirza ZahirdaarBaigkeyahanMehmaan Jana
(TaubatunNasooh: Dy. Nazeer Ahmed)

UNIT – IV **DRAMA**
Gud Ki Makhkhiyaan **(Dr. Kareem Roomani)**

UNIT – V **AFSANA**
Ek Aur Din **(Abdus Samad)**

SUGGESTED READINGS:

URDU SHAIRI KA TANQEEDI MUTA'A – SUMBUL NIGAAR
TAREEK-E-ADAB-E-URDU – NOORUL HASAN NAQUI
MUKHTASAR TAREEK-E-ADAB-E-URDU – EJAZ HUSSAIN

Chairman
BOS in Urdu
Dr. Mohd. Nisar Ahamed
M.A., M.Phil., Ph.D.
Associate Professor
Dept. of Arabic, Persian & Urdu
S.V. University, Tirupati-517 502, A.P.

SRI VENKATESWARA UNIVERSITY - TIRUPATI

For B.A./B.Com./ B.Sc. under CBCS

Second Language - Urdu

Second Year Degree Course Second Language Part-1(b)

PAPER - III : URDU PROSE FICTION

(With effect from 2020-2021)

MODEL QUESTION PAPER

Time:3Hours **Max.Marks:75**

Part -A

5X5 = 25

نوٹ:۔ درج ذیل سوالوں میں سے کوئی پانچ کے جواب لکھیے:

1۔افسانہ کی تعریف کیجیے۔

2۔اردو کے پانچ اہم افسانہ نگاروں کے نام لکھیئے۔

3۔ افسانہ اور ناول کے درمیان فرق کو واضح کیجیے۔

4۔داستان کی تعریف کرتے ہوئے اردو کے اہم داستانوں کے نام لکھیئے۔

5۔داستان باغ و بہار کے کرداروں کے نام لکھیئے۔

6۔ڈپٹی نذیر احمد کا مختصر تعارف پیش کیجئے۔

7۔کریم رومانی کی مختصر سوانح حیات لکھیے۔

8۔ڈرامہ ''گوڑ کی مکھیاں کا خلاصہ لکھیئے۔

9۔عبدالصمد کی مختصر سوانح حیات لکھیے۔

10۔ افسانہ ''ایک اور دن'' کا خلاصہ تحریر کیجئے۔

Part -B

5X10 = 50

نوٹ:۔ درج ذیل سوالوں کے جواب لکھیے:

11۔ افسانوی ادب کا تفصیلی تعارف تحریر کیجئے۔

یا

12۔ داستان کی تعریف کرتے ہوئے اس کی خصوصیات پر اظہار خیال کیجیے۔

03/08/21

Chairman
BOS in Urdu
Dr. Mohd. Nisar Ahamed
M.A., M.Phil., Ph.D.
Associate Professor
Dept. of Arabic, Persian & Urdu
S.V. University, Tirupati-517 502, A.P.

Cont. Page - 2

13۔داستان ''باغ و بہار'' کا قصہ اپنے الفاظ میں لکھیئے۔

یا

14۔میر امن کی داستان نویسی پر اظہار خیال کیجئے۔

15۔ ناول ''توبتہ النصوح'' کا خلاصہ اپنے الفاظ میں لکھیے۔

یا

16۔ڈپٹی نذیر احمد کی ناول نگاری پر اظہار خیال کیجئے۔

17۔ڈرامہ ''گوڑ کی مکھیاں'' کی خصوصیات بیان کیجئے۔

یا

18۔ڈاکٹر کریم رومانی کی ڈرامہ نگاری پر تفصیلی نوٹ لکھیئے۔

19۔عبدالصمد کا افسانہ ''ایک اور دن'' کا خلاصہ لکھیے۔

یا

20۔عبدالصمد کی افسانہ نگاری پر اظہار خیال کیجیے۔

03/09/21

Chairman
BOS in Urdu

Dr. Mohd. Nisar Ahamed
M.A., M.Phil., Ph.D.
Associate Professor
Dept. of Arabic, Persian & Urdu
S.V. University, Tirupati-517 502, A.P.

SRI VENKATESWARA UNIVERSITY :: TIRUPATI
B.A, B.Com & B.Sc Programmes
Revised CBCS w.e.f 2020 -21
III SEMESTER

SKILL DEVELOPMENT COURSES

COMMERCE STREAM

RETAILING

Total 30hrs (02hrs/wk) 02 credits & Maximum 50 Marks

Learning Outcomes:
After successful completion of this course,the students are able to;

1. *Know the retailing business, its growth in India and social impact*
2. *Understand the and organization and supply in retailing*
3. *Comprehend the opportunities and challenges in retailing*
4. *Learn the functions that support outlet operations, sales and services*
5. *Create a shopping experience model that builds customer loyalty and business promotion*

SYLLABUS:

Unit I: 06hrs

Introduction -Retailing - Definition– Role of Retailing- Types of Retailing – Factors influencing the Growth of Retailing in India.

Unit II: 10 hrs

Store location – factors influencing selection of location - Types of retail outlets - stores design & operations- Merchandise planning - Administrative mechanism

Unit III: 10hrs

Human resources in retailing - Job profile- Services to customers – Customer care - Communications with customers - Visual merchandising – enhancing customer loyalty and Sales promotion.

Recommended Co-curricularActivities (04 hrs):

1. Collection of information on local retailing
2. Invited lecture/skills training by a local expert
3. Visit near-by stores /Godowns/warehouses and prepare study projects
4. Field training during leisure hours
5. Assignments, Group discussion, Sharing of experience etc.

Reference books:

1. 1.Swapna pradhan.R.M - Retail Management - Tata Mg Graw Hill

2. Berman, Barry & Evans - Retailing Management- A strategic Approach - Pearson Publications
3. Lamba.A.J. - The Art of Retailing - Tata Mg Graw Hill Publications
4. Websites on Retailing.

III SEMESTER
RETAILING

MODEL QUESTION PAPER FORMAT

Max. Marks: 50 Time: 1 1/2 hrs (90 Minutes)

SECTION A (Total: 4x5=20 Marks)

(Answer any four questions. Each answer carries 5 marks
(At least 1 question should be given from each Unit)

1.	
2.	
3.	
4.	
5.	
6.	
7.	
8.	

SECTION B (Total: 3x10 = 30 Marks)

(Answer any three questions. Each answer carries 10 marks
(At least 1 question should be given from each Unit)

1.	
2.	
3.	
4.	
5.	

@@@@@

SRI VENKATESWARA UNIVERSITY :: TIRUPATI

B A, B Com & B Sc Programmes

Revised CBCS w.e.f. 2021-22

SKILL DEVELOPMENT COURSES

III-SEMESTER

SCIENCE STREAM

Syllabus of

POULTRY FARMING

Total 30 hrs (02h/wk), 02 Credits & Max 50 Marks

Learning Outcomes:

By successful completion of the course, students will be able to;

1. Understand the field level structure and functioning of insurance sector and it's role in protecting the risks
2. Comprehend pertaining skills and their application for promoting insurance coverage
3. Prepare better for the Insurance Agent examination conducted by IRDA
4. Plan 'promoting insurance coverage practice' as one of the career options.

SYLLABUS:

Section I (Introduction to Poultry Farming): 10Hrs

1.1 General introduction to poultry farming -Definition of Poultry; Past and present scenario of poultry industry in India.

1.2 Principles of poultry housing. Poultry houses. Systems of poultry farming.

1.3 Management of chicks, growers and layers. Management of Broilers.

1.4 Preparation of project report for banking and insurance

Section II (Feed and Livestock Health Management): 10 Hrs

2.1 Poultry feed management – Principles of feeding, Nutrient requirements for different stages of layers and broilers. Feed formulation and Methods of feeding.

2.2 Poultry diseases – viral, bacterial, fungal and parasitic(two each); symptoms, control and management; Vaccination programme.

Section III(Harvesting of Eggs and Sanitation): 10 Hrs

3.1Selection, care and handling of hatching eggs. Egg testing. Methods of hatching.

3.2Brooding and rearing. Sexing of chicks.

3.3Farm and Water Hygiene, Recycling of poultry waste.

Co-curricular Activities Suggested: (4 hrs)

1. Group discussion& SWOT analysis
2. Visit to a poultry farm
3. Invited Lectures by Concerned officers of government or private farms
4. Cheap and Healthy Feed preparation by students based on government standards
5. Market study and Survey (Monitoring of daily price hike in poultry market and analysis)
6. Online SwayamMoocs course on poultry farming (see reference 9 below)

Reference books:

1. Sreenivasaiah., P. V., 2015. Textbook of Poultry Science. 1st Edition. Write & Print Publications, New Delhi
2. 2. Jull A. Morley, 2007. Successful Poultry Management. 2nd Edition. Biotech Books, New Delhi"
3. Hurd M. Louis, 2003. Modern Poultry Farming. 1st Edition. International Book Distributing Company, Lucknow."
4. Life and General Insurance Management, "
5. Financial services, Tata McGraw hill
6. http://www.asci-india.com/BooksPDF/Small%20Poultry%20Farmer.pdf
7. https://nsdcindia.org/sites/default/files/MC_AGR-Q4306_Small-poultry-farmer-.pdf
8. http://ecoursesonline.iasri.res.in/course/view.php?id=335
9. https://swayam.gov.in/nd2_nou19_ag09/preview

SRI VENKATESWARA UNIVERSITY :: TIRUPATI

B A, B Com & B Sc Programmes

Revised CBCS w.e.f. 2021-22

SKILL DEVELOPMENT COURSES

III-SEMESTER

SCIENCE STREAM

POULTRY FARMING

MODEL QUESTION PAPER & PATTERN

Max. Marks: 50 **Time: 1 ½ hrs (90 Minutes)**

SECTION A (Total: 4x5=20 Marks)

(Answer any **four questions**. Each answer carries **5 marks (At least 1 question should be given from each Unit)**

1.	Poultry house
2.	Broilers
3.	Any two viral diseases of poultry
4.	Any two bacterial diseases of poultry
5.	Any two fungal diseases of poultry
6.	Egg testing
7.	Brooding
8.	Sexing chicks

SECTION B

(Total: 3x10= 30 Marks)

(Answer any **three questions**. Each answer carries **10 marks** **(At least 1 question should be given from each Unit)**

1.	Discuss briefly the past, present and future scenario of poultry farming industry in India.
2.	Explain principles of poultry housing in detail, with examples.
3.	Write an essay on viral diseases of poultry.
4.	Give an account of fungal and bacterial diseases (any two each) of poultry
5.	Write an essay on selection, handling and hatching of eggs.

@@@@@

Note: Please read the following in addition to the Guidelines sent.

1. *In Unit-2 and Unit-3, Sub-titles highlighted in Yellow colour are Skills. Sub-titles not highlighted are of Theoretical base.*
2. *Skills, though separately shown, shall also have 'content' to be learnt and written in the examination by the students.*
3. *The field (hands on) skills are learnt through the Co-curricular Activities.*
4. *One or two books referred shall be related to 'learning of skills'*

Topics and syllabus may be prepared keeping all (BA/BSc/BCom) urban as well as rural students in view.

SRI VENKATESWARA UNIVERSITY

CBCS/ SEMESTER SYSTEM

(w.e.f 2021-22)

ANALYTICAL SKILLS

Syllabus **Total 30 Hrs**

Course Objective: Intended to inculcate quantitative analytical skills and reasoning as an inherent ability in students.

Course Outcomes:

After successful completion of this course, the student will be able to;

1) Understand the basic concepts of arithmetic ability, quantitative ability, logical reasoning, business computations and data interpretation and obtain the associated skills.

2) Acquire competency in the use of verbal reasoning.

3) Apply the skills and competencies acquired in the related areas

4) Solve problems pertaining to quantitative ability, logical reasoning and verbal ability inside and outside the campus.

UNIT – 1: (10 Hours)

Arithmetic ability: Algebraic operations BODMAS, Fractions, Divisibility rules, LCM & GCD (HCF).

Verbal Reasoning: Number Series, Coding & Decoding, Blood relationship, Clocks, Calendars.

UNIT – 2: (10 Hours)

Quantitative aptitude: Averages, Ratio and proportion, Problems on ages, Time-distance – speed.

Business computations: Percentages, Profit & loss, Partnership, simple compound interest.

UNIT – 3: (07 Hours)

Data Interpretation: Tabulation, Bar Graphs, Pie Charts, line Graphs. Venn diagrams.

Recommended Co-Curricular Activities (03 hrs)

Surprise tests / Viva-Voice / Problem solving/Group discussion.

Text Book:

Quantitative Aptitude for Competitive Examination by R.S. Agrawal, S.Chand Publications.

Reference Books

1. Analytical skills by Showick Thorpe, published by S Chand And Company Limited, Ramnagar, New Delhi-110055
2. Quantitative Aptitude and Reasoning by R V Praveen, PHI publishers.
3. Quantitative Aptitude for Competitive Examination by Abhijit Guha, Tata Mc Graw Hill Publications.

SRI VENKATESWARA UNIVERSITY

LIFE SKILL COURSES

III SEMESTER

REVISED SYLLABUS UNDER CBCS - W.E.F. 2021-22

MODEL QUESTION PAPER

Time: 1 ½ hours (90 Min.) **Marks: 50 marks**

PART – A

Answer any *Four* of the following question. **(4X5=20M)**

1.	
2.	
3.	
4.	
5.	
6.	
7.	
8.	

PART – B

Answer any *Three* The Questions. Each question carries 10 marks

(3X10= 30M)

9.	
10.	
11.	
12.	
13.	
14.	

SRI VENKATESWARA UNIVERSITY

Revised CBCS w.e.f 2021 -22

LIFE SKILL COURSE

III-SEMESTER

Personality Enhancement & Lead!rship

Total 30 hrs (02 h/wk, 02 Cr & Max 50 Marks)

Syllabus:

Unit - 1:(7 hrs)

Meaning of Personality - Explanations of Human Personality - Psychodynamic Explanations - Social Cognitive Explanation - Big Fi, e traits of Personality

Unit - II: (8 hrs)

Assessment of Personality - Projective& Self Repo □□Techniques - Building Self-Confidence - Enhancing Personality Skills

Unit - 111:(10 hrs)

Leadership Characteristics - Types of Leaders - Importance of Leadership - Leadership Skills - Building and Leading Efficient 1 earns - Leadership Qualities of Abraham Lincoln, mahatma Gandhi, Prakasam Pantulu, Dr. □.□R. Ambedkar & J.R.D.Tata

Co-curricular Activities Suggested: (05 hrs)

1. Assignments, Group discussions, Quiz etc
2. Invited Lecture by a local expert
3. Case Studies (ex., on students behavior, local leaders «tc.)

Reference Books:

~ Girish Batra, Experiments in Leadership, Chennai: Notion Press, 2018

~ Mitesh Khatri, Awaken the Leader in You, Mumbai: Jaico Publishing House, 2013

~ Carnegie Dale, Become an Effective Leader, New Delhi: Amaryllis, 2012

~ Hall, C.S., Lindzey. G. & Campbell, J.B Theories of Personality. John Wiley & Sons, 1998

M Sreelatha

Chairperson
BOS in English
(PASS)

Three Year BA/B.Sc. /B.Com Degree Examinations

Revised CBCS □.e.f-2021-22

III SEMESTER

Life Skill Course

Personality Enhancement □□Leadership

Model Que tion Paper

Time: **1 ½ hours (90 Min.)** Max. Marks: 50

Section A

I. Answer any Four Questions. Each Question carries 5 marks 4 X5=20

1. What are the characteristics of Personality?
2. What is Personality? Discuss its Nature.
3. What are the strengths and weaknesses of Projective 1 echniques?
4. Discuss the importance of Team.
5. What techniques can be used for effective Team Building?
6. Explain the differences between Work Groups and Werk Teams.
7. What do you understand by the term "Leadership"?
8. What are the Determinants of Personality?

Section B

II. Answer any Three Questions. Each Question carries 10 marks 3 X10=30

1. Describe the assumptions of the psychody namic pcrs ectivc on personality development. including the id. ego. and supqego
2. Discuss the "Big Five Personality Traits".
3. How do culture and family determine the development of the Personality?
4. How does an individual build self-confidence?
5. What do you understand by the term Leadership? Enumerate its important characteristics.
6. Explain the different types of Leadership.

-----0-----