

SACRED HEART COLLEGE (AUTONOMOUS)

Department of Botany

BACHELOR OF SCIENCE

Course plan

Academic Year 2018-19

Semester 1

COURSE PLAN – MICROBIOLOGY AND PHYCOLOGY

PROGRAMME	BACHELOR OF BOTANY	SEMESTER	1
COURSE CODE AND TITLE	U1CRBOT1 -MICROBIOLOGY AND PHYCOLOGY	CREDIT	2
HOURS/WEEK	4	HOURS/SEM	72
FACULTY NAME	FR. JOSE JOHN & KIRAN GEORGE KOSHY		

PROGRAMME OUTCOMES

PO 1	Critical Thinking: Take informed actions after identifying the assumptions that frame our thinking and actions, checking out the degree to which these assumptions are accurate and valid, and looking at our ideas and decisions (intellectual, organizational, and personal) from different perspectives.
PO 2	Effective Communication: Speak, read, write and listen clearly in person and through electronic media in English and in one Indian language, and make meaning of the word by connecting people, ideas, books, media and technology.
PO 3	Effective Citizenship: Demonstrate empathetic social concern and equity centered national development, and the ability to act an informed awareness of issues and participate in civic life through volunteering.
PO 4	Environment and Sustainability: Understand the issues of environmental contexts and sustainable development.
PO5	Ethics: Recognise different value systems including your own, understand the moral dimensions of your decisions, and accept responsibility for them.
PO 6	Global Perspective: Understand the economic, social and ecological connections that link the world's nations and people.

PROGRAM SPECIFIC OUTCOMES

PSO 1	Understand functional and theoretical concepts of the biological world and their relative role in the sustainability of natural habitats and biodiversity
PSO 2	Understand knowledge on the evolutionary relationships among the plant
PSO 3	Understand the applications of plant biology in various disciplines
PSO 4	Perform laboratory procedures as per ethics and following standard protocols
PSO 5	Synthesize the scientific character of observation, reasoning and apply the knowledge in designing of experiments

	COURSE OUTCOMES	PO/ PSO	CL
CO 1	Students would be able to define process and principles in the field of microbial diversity	PO1, PO3, PO6, PSO2, PSO3	U
CO 2	Students would be able to explain the reproductive behaviour in Algae and microbes	PO1, PSO2, PSO3	A
CO 3	Students would be able to apply the acquired knowledge on the ecological significance of the lower groups of plants and protists	PO1, PO2, PSO4	U
CO 4	Students would be able to analyze economic significance of the lower groups of plants and protists	PO1, PO2, PSO1, PSO2, PSO3	An
CO 5	Evaluate various algal forms and classify them in the laboratory	PO1, PO2, PO3, PO4, PO5, PSO2, PSO3	U
CO 6	Develop new strategies based on various algal forms and on the basis of their applications		An

CL* Cognitive Level

SESSION	TOPIC	LEARNING RESOURCES	VALUE ADDITIONS	COURSE OUTCOME
MODULE I				
1	Introduction, Scope of Microbiology	PPT	video	CO 1
MODULE II				
2	Bacteria: Fine structure - cell wall - Peptidoglycan	PPT/Lecture		CO 1
3	Cytoplasm - Nucleoid, Flagella	PPT/Lecture		CO 1
4	Reproduction- Binary fission	PPT/Lecture	e-resource	CO 1
5	Genetic recombination - Conjugation	PPT/Lecture		CO 1
6	Transformation	PPT/Lecture		CO 1
7	Transduction	Lecture		CO 1
8	Three Domains of Life	Lecture		CO 1
9	Mycoplasma - general characters	Lecture		CO 1
MODULE III				
10	Virus - General morphology and structure.	Lecture		CO 1
11	Plant viruses – architecture of TMV	PPT/Lecture		CO 1
12	RNA viruses, DNA viruses (Examples only)	PPT/Lecture		CO 1
13	Brief account of virus replication	PPT/Lecture		CO 1
MODULE IV				
14	Biofertilizers & Biopesticides and Production of single cell protein and Probiotics	PPT/Lecture		CO 2

15	Biogas production and Antibiotics	Lecture		CO 2
16	Reconversion of waste products and Bioremediation	Lecture		CO 2
PHYCOLOGY				
MODULE I				
19	Introduction: general characters, habitat diversity, range of thallus structure and pigments in algae; Different types of life cycle and alternation of generations in algae.	Lecture	Original Photographs and Videos	CO 2, CO 3
20		PPT/Lecture		
21		PPT/Lecture		
22		PPT/Lecture		
23		PPT/Lecture		
24	Classification: by Fritsch (1945); brief introduction to the modern classification by Lee (2009) [up to divisions].	Lecture		CO 2, CO 3
25		Lecture		CO 2, CO 3
MODULE II				
27	"General characters of the following major groups with special reference to the structure, reproduction and life cycles of the following types.	Lecture		CO 2
28	a. Cyanophyceae: Nostoc	Lecture		CO 2
29	b. Chlorophyceae: Volvox, Oedogonium, Cladophora, Chara	PPT/Lecture		CO 2
30	c. Xanthophyceae: Vaucheria	PPT/Lecture		CO 2
31	d. Bacillariophyceae: Pinnularia	PPT/Lecture		CO 2
32	e. Phaeophyceae : Sargassum			
MODULE III				
33	a. Algae as pollution indicator and in waste water treatment	PPT/Lecture		CO 4
34	b. Commercial products: Agar, Alginates, Carrageenin, Diatomaceous earth"	PPT/Lecture		CO 4
35		PPT/Lecture		CO 4
36	c. Algae in soil fertility, Fertilizer, Nitrogen fixation, minerals, soil algae and symbiosis	Lecture	Quiz	CO 4
MODULE IV				
37	Algal culture: isolation, cultivation and preservation of micro- and macro-algae. (Brief account only)	Lecture	Q & Ans Session	CO 3
38		PPT/Lecture		
39	Algal culture: isolation, cultivation and preservation of micro- and macro-algae. (Brief account only)	PPT/Lecture		CO 3
PRACTICALS				
40	1. Preparation of bacterial smear.			CO 1
41				CO 1
42				CO 1

43	2. Grams staining.	Laboratory		CO 1	
44				CO 1	
45				CO 1	
46			3. Isolation of microbes from soil (Streaking method).		CO 1
47					CO 1
48					CO 1
49					CO 1
50					CO 1
51					CO 1
52				CO 1	
53	"1. Conduct a field visit to any one of the ecosystems rich in Algae to experience algal diversity. Submit a report of the visit with photographs.		CO 5, CO 6		
54			CO 5, CO 6		
55			CO 5, CO 6		
			CO 5, CO 6		
56		2. Make micro preparation of vegetative and reproductive structures of the types mentioned in the syllabus and make labelled sketches of the specimens observed.		CO 5, CO 6	
57			CO 5, CO 6		
58			CO 5, CO 6		
59			CO 5, CO 6		
60	3. Identify the algal specimens up to the generic level by noting their key characters.		CO 5, CO 6		
61			CO 5, CO 6		
62		4. Algal Culturing: isolation and cultivation of microalgae and macro algae using suitable growth media [Demonstration only].		CO 5, CO 6	
63			CO 5, CO 6		
64			CO 5, CO 6		
65	5. Familiarize the technique of algal collection and preservation and submit at least five algal specimens.		CO 5, CO 6		
66			CO 5, CO 6		
67			CO 5, CO 6		

68				CO 5, CO 6
69				CO 5, CO 6
70				CO 5, CO 6
71				CO 5, CO 6
72				CO 5, CO 6

REFERENCES

1. Agarwal S.K, 2008. Foundation course in Biology, Ane Books Pvt. Ltd., New Delhi.
2. Anand N, 1989. Culturing and cultivation of BGA. Handbook of Blue Green Algae.
3. Aneja K. R, 1996. Experiments in Microbiology, Plant pathology, Tissue culture and Mushroom cultivation. Wishwa Prakasan, Delhi.
4. Bilgrama K. S & Saha L. C, 1996. Text Book of Algae, C B S Publishers & Distributors
5. Carpenter P. L, 1967. Microbiology., W. B Saunder & Co, Philadelphia
6. Chapman, V. J, 1962. The Algae.: Macmillan & co. Ltd, London
7. Christian Hoek, 1995. Algae: An Introduction to Phycology, Cambridge University Press.
8. Dube H.C, 2008. Fungi, Bacteria and Viruses, Agrobios, Meerut.
9. Frazier W C & Westhoff D.C, 1978. Food Microbiology. TMH Edn.
10. Fritsch F. E, 1945. Structure and Reproduction of Algae. Vol.1: Cambridge University Press, London.

COURSE PLAN – GENERAL CHEMISTRY

PROGRAMME	COMPLEMENTARY CHEMISTRY FOR BACHELOR OF SCIENCE IN BOTANY	SEMESTER	1
COURSE CODE AND TITLE	15U1PCHE1: GENERAL CHEMISTRY	CREDIT	2
HOURS/WEEK	2	HOURS/SEM	36
FACULTY NAME	DR. IGNATIUS ABRAHAM AND DR. RAGI A S		

PROGRAMME OUTCOMES

PO 1	Critical Thinking
PO 2	Effective Communication
PO 3	Effective Citizenship
PO 4	Environment and Sustainability
PO 5	Ethics
PO 6	Global Perspective

PROGRAM SPECIFIC OUTCOMES

PSO 1	Explain the basic concepts and solve the problems related to inorganic, organic theoretical and physical chemistry.
PSO 2	Apply the principles of chemistry in industry, agriculture, medicine and environment.
PSO 3	Experiment, analyse and draw conclusions from qualitative, quantitative and synthetic laboratory exercises in chemistry.
PSO 4	Design projects in different fields of chemistry and develop research aptitude.

	COURSE OUTCOMES	PO / PSO	CL
CO 1	Describe different models of atomic structure.	PO 1, PSO 1	U
CO 2	Define acids and bases and explain the concept of equilibrium.	PO 2, PSO 3	U
CO 3	Understand the concept of solubility and its applications in various fields.	PO 3, PSO 1	U

CO 4	Explain the fundamentals of nuclear chemistry.	PO 4 and PO 5, PSO 1, PSO 2	U
CO 5	Generate a basic idea on applications of nuclear energy in various fields and the possible hazards.	PO 6, PSO 1	U
CO 6	Explain the fundamentals of analytical chemistry.	PO 5, PSO 4	U
CO 7	Understand the basics of thermodynamics.	PO 1, PSO 1	U

CL* Cognitive Level

SESSION	TOPIC	LEARNING RESOURCES	VALUE ADDITIONS	COURSE OUTCOME
MODULE I : Atomic Structure : Dr. Ignatious Abraham (9h)				
1	Introduction: Atoms, Planck's quantum Theory, Photoelectric effect	Chalk & Board	video	CO 1
2	Postulates of bohr's theory, Energy levels in atom	Chalk & Board		CO 1
3	origin of hydrogen spectrum	Chalk & Board		CO 1
4	Sommerfeld's extension of Bohr's Theory	Chalk & Board		CO 1
5	Shortcomings of Bohr Theory	Chalk & Board		CO 1
6	Dual nature of matter and radiation. Derivation of de Broglie equation	Chalk & Board		CO 1
7	Wave nature of electron and quantisation of angular momentum, Heisenberg's uncertainty principle	Chalk & Board		CO 1
8	Concept of orbital, Quantum numbers, shapes of orbitals	Chalk & Board		CO 1
9	Electronic configuration of atoms - Aufbau principle, Hund's rule of maximum multiplicity, Pauli's exclusion principle	Chalk & Board		CO 1
MODULE II: Concept of Equilibrium: Dr. Ignatious Abraham (8h)				
10	Acids and bases	Chalk & Board		CO 2
11	Theories of acids and bases	Chalk & Board		CO 2
12	Ionic product of water, introductory idea of pH, pOH.	Chalk & Board	quiz	CO 2

13	Strengths of acids and bases, K_a and K_b , pK_a and pK_b	Chalk & Board		CO 2
14	Buffer solution, Henderson equation	Chalk & Board		CO 2
15	Hydrolysis of salt, solubility	Chalk & Board		CO 2
16	Solubility product, application	Chalk & Board		CO 3
17	Common ion effect, application.	Chalk & Board		CO 3
MODULE III: Nuclear Chemistry : Dr.Ragi A.S (6h)				
18	Stability of Nucleus	Chalk & Board		CO 4
19	Natural radioactivity, induced radioactivity	Chalk & Board	quiz	CO 4
20	Fertile and fissile isotopes, units of radioactivity.	Chalk & Board		CO 4
21	Nuclear Reactions: fission and fusion, chain reactions	Chalk & Board		CO 4
22	Disposal of nuclear wastes	Chalk & Board		CO 5
23	Applications of radioactivity	Chalk & Board		CO 5
MODULE IV: Analytical Chemistry- Basic Principles: Dr.Ragi A.S (5h)				
24	Concentration terms- molality, molarity, normality, weight percentage, ppm, and millimoles.	Chalk & Board		CO 6
25	Titrimetric method of analysis: General principle, types of titrations, requirements for titrimetric analysis.	Chalk & Board		CO 6
26	Primary and secondary standards, criteria for primary standards	Chalk & Board		CO 6
27	Preparation of standard solutions, standardization of solutions	Chalk & Board		CO 7
28	Problems	Chalk & Board	Quiz	CO 7
MODULE V: Laws of Thermodynamics : Dr.Ragi A.S (8h)				
29	System and Surrounding and First Law of Thermodynamics	Chalk & Board		CO 7
30	Second law of Thermodynamics: free energy, Entropy and Spontaneity, Statement of second law based on entropy	Chalk & Board		CO 7
31	Entropy change in Phase transitions	Chalk & Board		CO 7
32	entropy of fusion, entropy of vaporization, entropy of sublimation	Chalk & Board		CO 7
33	The concept of Gibbs's free energy- Physical significance of free energy, conditions for equilibrium & spontaneity based on ΔG values.	Chalk & Board		CO 7
34	Effect of temperature on spontaneity of Reaction.	Chalk & Board		CO 7
35	Third law of thermodynamics	Chalk & Board		CO 7
36	Problems based on Laws of Thermodynamics	Chalk & Board	Quiz	CO 7

INDIVIDUAL ASSIGNMENTS/SEMINAR – Details & Guidelines

	Date of completion	Topic of Assignment & Nature of assignment (Individual/Group – Written/Presentation – Graded or Non-graded etc)	Course Outcome
1	04/08/2018	Applications of solubility product	CO 3
2	28/10/2018	Effect of temperature on spontaneity of Reaction.	CO 7

GROUP ASSIGNMENTS/ACTIVITES – Details & Guidelines

	Date of completion	Topic of Assignment & Nature of assignment (Individual/Group – Written/Presentation – Graded or Non-graded etc)	Course Outcome
1	02/11/2018	Concentration terms	CO 6

REFERENCES

1. P. L. Soni, Inorganic Chemistry.
2. C. N. R. Rao, University General Chemistry, Macmillan.
3. R. A. Day Junior, A.L. Underwood, Quantitative Analysis, 5th edn. Prentice Hall of India Pvt. Ltd. New Delhi, 1988.
4. R. Gopalan, Analytical Chemistry, S. Chand and Co., New Delhi.
5. B. R. Puri, L. R. Sharma, M.S. Pathania, Elements of Physical Chemistry, 3rd edn. Vishal Pub. CO., 2008.
6. B. R. Puri, L. R. Sharma, Kalia, Principles of Inorganic Chemistry, 31st edn. Milstone (2010). Manas Chanda, Atomic Structure and Molecular Spectroscopy.
7. Vogel's Text Book of Quantitative Chemical Analysis, J. Mendham, R. C. Denney, J.D. Barnes, M. Thomas, 6th edn. Pearson Education (2003).

COURSE PLAN – Complementary Zoology

PROGRAMME	B.Sc. ZOOLOGY COMPLEMENTARY COURSE	SEMESTER	1
COURSE CODE AND TITLE	19U1CPZOO1: Animal Diversity – Non-Chordata	CREDIT	2
HOURS/WEEK	4	HOURS/SEM	36
FACULTY NAME	Dr. DIVYA SEBASTIAN		

PROGRAMME OUTCOMES

PO 1	Understand faunal diversity through scientific classification to grasp and appreciate the complex interactions among them and the environment and their role in sustainable environment.
PO 2	Understand the principles of aquaculture, sericulture, apiculture, vermiculture, poultry and cattle farming for the economic prosperity of the society.
PO 3	Understand the concepts and principles of biochemistry, animal physiology, cell biology, molecular biology, genetics, biotechnology, general informatics and bioinformatics, endocrinology, developmental biology, evolution, zoogeography, ethology, ecology, disaster management, toxicology, microbiology, immunology, nutrition, community health, sanitation, ecotourism, biostatistics and research methodology and their applications in day-to-day life.
PO 4	Perform laboratory procedures in the areas of morphology, anatomy, taxonomy, applied zoology, biochemistry, animal physiology, cell biology, molecular biology, genetics, biotechnology, general informatics and bioinformatics, endocrinology, developmental biology, evolution, zoogeography, ethology, ecology, microbiology and immunology.

PROGRAM SPECIFIC OUTCOMES

PSO 1	Impart the knowledge of the non-chordate diversity
PSO 2	Understand salient features and taxonomy up to phylum of Kingdom Protista
PSO 3	Analyze complex interactions among the various animals of different phyla
PSO 4	Understand the diversity and classification and functional aspects of different systems of phylum Arthropoda, Mollusca and Echinodermata.
PSO 5	Demonstrated a broad understood of animal diversity, including knowledge of the scientific classification and evolutionary relationships of major groups of animals

	COURSE OUTCOMES	PO/ PSO	CL
CO 1	Understand the basic concepts and principles of invertebrate taxonomy	PO1, PO2	U
CO 2	Analyse the salient features and taxonomy up to phylum of Kingdom Protista	PO1, PSO2, PSO3	A
CO 3	Understand the salient features and taxonomy of mesozoa and Parazoa.	PO1, PO2, PSO1	U
CO 4	Differentiate the coral reefs and the rich biodiversity of coelenterates	PO1, PO2, PSO1, PSO2, PSO4	An
CO 5	Understand the pathogenicity of round worms and flat worms.	PO1, PO2, PO3, PO4, PO5, PSO2, PSO3	U
CO 6	Understand the salient features and taxonomy of segmented, jointed and shelled invertebrates.	PO1, PO4 PSO1	U
CO 7	Understand the morphological aspects, structural and functional facets of <i>Penaeus</i> .	PO1, PO4 PSO1	U
CO 8	Impart the knowledge of the pests of paddy, coconut and stored grains.	PO1, PO4 PSO1	A
CO 9	Analyze the salient features of Hemichordata with reference to evolutionary sequence	PSO 5, PO1	A

SESSION	TOPIC	LEARNING RESOURCES	VALUE ADDITIONS	COURSE OUTCOME
MODULE I				
1	General Introduction, 5 Kingdom classification, Classification in general	Lecture/ppt		CO 1
2	Classification up to Classes	Lecture /PPT		CO 1
MODULE II				
3	Kingdom Protista; Salient features and classification up to phyla	PPT	Video	CO 2
4	Phylum Rhizopoda: Amoeba Phylum Actinopod: Actinophrys	Lecture	Demo	CO 2
5	Phylum Parabasalia: Trychonympha Phylum Dinoflagellate: Noctiluca	Lecture	Video	CO 2
6	Phylum Metamonada : Giardia Phylum Kinetoplasta: Trypanosoma	Lecture	Demo	CO 2
7	Phylum Euglenophyta: Euglena Phylum Cryptophyta: Cryptomonas	PPT		CO 2
8	Phylum Opalinata: Opalina Phylum Bacillariophyta: Diatoms	PPT	Video	CO 2

9	Phylum Chlorophyta: Volvox Phylum Choanoflagellates: Proterospongia	PPT	Demo	CO 2
10	Phylum Sporozoa: Plasmodium Phylum Ciliophora: Paramecium	PPT/Lecture	Video	CO 2
11	Phylum Rhodophyta: Red Alga Phylum Microsporidia: Nosema	PPT/Lecture	Video	CO 2
12	Pathogenic Protista–Plasmodium	Lecture	Video	CO 2
13	Pathogenic Protista – Entamoeba	Lecture	Video	CO 2
CIA-1				
MODULE III				
14	Mesozoa – eg. Rhopalura	PPT/Lecture	Video	CO 3
15	Phylum Parazoa	PPT/Lecture	Video	CO 3
16	Phylum Porifera – eg Leucosolenia Phylum Placozoa –eg.Trycoplax adherens	PPT/Lecture		CO 3
MODULE IV Coelenterate				
17	Phylum Coelenterate salient features	Lecture	Video	CO 4
18	Hydrozoa – Physalia Scyphozoa – Aurelia	PPT/Lecture	Video	CO 4
19	Anthozoa – Adamsia Corals and coral reefs.	PPT/Lecture	Video	CO 4
Module V. Phylum - Platyhelminthes				
20	Phylum - Platyhelminthes Salient features, classification up to classes 1.Turbellaria – Planaria	PPT/Lecture		CO 5
21	CIA- II	2 hrs		
Module VI. Phylum Nematoda				
22	Phylum Nematoda Salient features, classification up to classes	Lecture	Video	CO 5
23	Phasmidia - Wuchereria 2.Aphasmidia – Trichinella	PPT/Lecture	Video	CO 5
Revision & Evaluation of the course				
Module VII. Phylum: Annelida				
24	Phylum Annelida: Salient features and classification up to class.	PPT/Lecture	Video	CO 6
25	Class 1: Polychaeta (eg: Nereis) Class 2: Oligochaeta (eg: Pheretima) Class 3: Hirudinomorpha (eg: Hirudinaria)	PPT/Lecture	Video	CO 6
Module 8 – Phylum : Arthropoda				

26	Arthropoda:Salient features. Fenneropenaeus (Penaeus)habitat, morphology,	PPT/Lecture	Video	CO 7
27	Appendages, sexual dimorphism, digestive system, respiratory system, circulatory system, excretory system	PPT/Lecture	Video	CO 7
28	Nervous system, sense organs	PPT/Lecture		CO 7
29	Reproductive system, larval stages.	PPT/Lecture		CO 7
30	Classification up to class with one example	PPT/Lecture		CO7
27	Phylum Onychophora – eg. Peripatus (Mention its affinities) Insect pests	PPT/Lecture		CO 8
28	Pests of coconut – Oryctes rhinoceros, Rhynchophorus ferrugineus, Nephantisserinopa, Eriophid mite	PPT/Lecture	Live discussion	CO 8
29	Pests of paddy – Leptocorisaacuta, Spodoptera mauritius 3. Pests of stored grains - Trogoderma granarium, Tribolium castaneum, Sitophilus oryzae	PPT/Lecture	Live discussion	CO8
Module 9: Phylum : Mollusca				
30	Salient features and classification up to class	PPT/Lecture		CO 6
31	Class 1: Aplousobranchia (eg: Neomenia) Class 2: Monoplousobranchia (eg: Neopilina) Class 3: Polyplousobranchia	PPT/Lecture	Live discussion	CO 6
32	Class 4: Bivalvia (eg: Perna) Class 5: Gastropoda (eg: Xancus) Class 6: Cephalopoda (eg: Sepia) Class 7: Scaphopoda (eg: Dentalium)	PPT/Lecture	Video	CO 6
Module 10: Phylum: Echinodermata				
33	Salient features and classification up to class	PPT/Lecture		
34	Class 1: Asterozoa (eg: Astropecten) Class 2: Ophiurozoa (eg: Ophiothrix) Class 3: Echinozoa (eg: Echinus)	PPT/Lecture	Video	CO 6
35	Class 4: Holothurozoa (eg: Holothuria) Class 5: Crinozoa (eg: Antedon)	PPT/Lecture	Video	CO 6
Module 11. Phylum Hemichordate				
36	Phylum Hemichordata	PPT/Lecture		CO 8
37	Salient features eg: Balanoglossus	PPT/Lecture		CO8

ASSIGNMENTS

	Date of completion	Topic of Assignment & Nature of assignment (Individual/ /Presentation – Graded)	Couse Outcome
1	4/11/2019	Make a classification of chart of invertebrates	CO2

GROUP ASSIGNMENTS/ACTIVITES – Details & Guidelines

	Date of completion	Video presentation-Individual	Couse Outcome
1	14/11/20	Find the invertebrates around you premises	CO 5

REFERENCES

- Barnes, R.D. , 1987. Invertebrate Zoology (W.B. Saunders, New York).
- Barrington, E.J.W., 1967. Invertebrate Structure and function (ELBS and Nelson , London).
- Dhami, P.S. and Dhami, J.K. 1979. Invertebrate Zoology (R. Chand and Co. New Delhi).
- Ekamberanatha Ayyar M. (1990) A Manual of Zoology, Volume I. Invertebrate Part I and Part II S. Viswanathan Printers & Publishers Pvt. Ltd.
- Groove, A.J. and Newell, G.E. 1974. Animal Biology – Indian Reprint (University Book Stall, New Delhi).
- Hyman, L.H. The Invertebrate vols. (McGraw-Hill) 1942. Comparative vertebrate Anatomy (The University of Chicago Press

Web resource references:

- <https://www.nationalgeographic.com/animals/invertebrates/>

COURSE PLAN – COMMUNICATION SKILLS IN ENGLISH

PROGRAMME	BA ENGLISH	SEMESTER	1
COURSE CODE AND TITLE	15U1CCENG1: COMMUNICATION SKILLS IN ENGLISH	CREDIT	3+1
HOURS/WEEK	5	HOURS/SEM	90
FACULTY NAME			

PROGRAMME OUTCOMES

PO1	Critical Thinking and Deep Domain Knowledge
PO2	Effective Communication
PO3	Contribute to Nation Building
PO4	Care for the Environment
PO5	Ethical Values
PO6	Global Perspective

PROGRAMME SPECIFIC OUTCOMES

PSO1	Demonstrate knowledge about the socio-historical and cultural context of literary works in English and demonstrate in-depth knowledge about select texts.
PSO2	Identify and describe the thematic and literary features of select works in English and align them with the socio-political and cultural milieu.
PSO3	Articulate knowledge through oral, written or performative means, using appropriate style and register
PSO4	Edit text, set the layout, create illustrations and publish articles, journals and books.
PSO5	Demonstrate an understanding of various critical theories and reading strategies and engage with texts - literary, performance, visual etc, – from the point of view of various critical approaches and draw from them the dynamics of the relationship between nature and culture.
PSO6	Conduct independent research in the area of literary and cultural studies and produce new and critical knowledge

COURSE OUTCOMES

CO1	Understand the mechanics of English language and comprehend the plain meaning of simple narrations, announcements and instructions.
CO2	Make inferences about the implications of statements from stress and tone recognise the various registers of speech
CO3	Listen to formal presentations and prepare lecture notes using the appropriate format.
CO4	Use English language for a variety of speaking contexts including conversations, presentations, speeches, discussions and negotiations
CO5	Critically evaluate presentations, narrations, speeches and analyse and evaluate their content and respond to them appropriately
CO6	Creatively respond to one's surroundings in the form of dramatic works, poetry, narrations, and songs, and perform them before an audience.
CO7	Understand the mechanics of English language and comprehend the plain meaning of simple narrations, announcements and instructions

Sessions	Topic	Method	COs	Remarks/Reference
1	Introduction to Communication Skills	Lecture	CO1,	
2	Phonetics: Introduction	PPT presentation	CO5,CO6,	
3	Unit 1 – Write as you speak	Audio presentation & Exercises	CO3, CO4,	
4	Unit 2 – Dip in Deep Sea	Audio presentation & Exercises	CO1, CO3,	
5	Unit 3 – Many Mad Men	Audio presentation & Exercises	CO3, CO4,	
6	Unit 4 – A Cot Caught in a Cart	Audio presentation & Exercises	CO1,CO3,	
7	Unit 5 – Look for Good Food	Audio presentation & Exercises	CO3, CO2,	
8	Unit 6 – Bad Luck, Early Worm and Unit	Audio presentation & Exercises	CO5, CO7	
9	Unit 7 - Again and Again	Audio presentation & Exercises	CO2, CO4	
10	Unit 8 – A China Clay Toy	Audio presentation & Exercises	CO1, CO3	
11	Unit 9 – Holy Cow	Audio presentation & Exercises	CO6,CO7	
12	Unit 10 – Here, There, Everywhere	Audio presentation & Exercises	CO6,CO7	
13	IAT – 1			
14	Discussion on the test paper	Discussion	CO4, CO6	

15	Unit 11 – Bzzing Bees & Hissing Snakes Unit 12 – Pleasure Ships on the sea	Audio presentation & Exercises	CO6, CO7	
16	Unit 13 – A Fine Vine Unit 14 – Thanks Brother!	Audio presentation & Exercises	CO1, CO3	
17	Unit 15 – Jane’s Chain Unit 16 – A Smiling King	Audio presentation & Exercises	CO2, CO3	
18	Unit 17 – Betty’s Bitter Butter Unit 18 – Have Your Way	Audio presentation & Exercises	CO1, CO3	
19	Unit 19 – Right Road, Light Road Revision	Audio presentation & Exercises Drill Exercises	CO1, CO3	
20	Revision Exercises	Drill Exercises	CO5,CO7	
21	Unit 20 - Pronunciation: Syllables	Lecture Session	CO2, CO6	
22	Unit 21 - Word stress 1	Audio presentation & Exercises	CO2, CO6	
23	Unit 22 - Word stress 2	Audio presentation & Exercises	CO6, CO7	
24	Unit 22 - Stress and Parts of Speech	Audio presentation & Exercises	CO4, CO5	
25	Unit 23 - Sentence Stress	Audio presentation & Exercises	CO5, CO7	
26	Holiday – SreeNarayana guru samadhi			

27	Holiday - Bakrid			
28	IAT – 2			
29	Performance Analysis _ IAT 2	Discussion	, CO5, CO7	
30	Unit 24 – Weak forms & Strong Forms Unit 25 – Contracted forms	Audio presentation & Exercises	CO2, CO3,	
31	Unit 26 – Intonation	Audio presentation & Exercises	CO1, CO7	
32	Unit 27 – Different accents	Lecture and Drill	CO2, CO3,	
33	Influence of Mother tongue	Lecture and Drill	CO2, CO4	

ASSIGNMENTS

	Topic of Assignment & Nature of assignment (Individual/ Group – Written/ Presentation – Graded or Non-graded etc)	Course Outcome
1	Write a note on your bus trip the college & present it before the class.	CO6
2	Write a descriptive note on the sights and sounds of the college canteen + presentation before the class	CO5, CO6
3	Write an interesting conversation you listened to recently and present it before the class with your partner.	CO4, CO5
4	Identify a passage from any textbook or magazine, underline a pair of consonant sounds and read the same in the class giving special emphasis to the pair of sounds chosen	CO2
5	Write a description of the Lakeview ground	CO6
6	Describe the college auditorium	CO6
7	Describe the sights and sounds in the portico of the college on any given day	CO6, CO5
8	Describe the aquarium in the portico	CO7
9	Narrate your experiences of any day on the campus	CO5

REFERENCES

V.Sasikumar, P Kiranmai Dutt and Geetha Rajeevan, . Communication Skills in English.
Cambridge University Press and Mahatma Gandhi University.

Further Reading

Sl.No	Title	Author	Publisher & Year
1	A Course in Listening and Speaking I & II	Sasikumar V.,Kiranmai Dutt and Geetha Rajeevan	New Delhi: CUP, 2007
2	Study Listening: A Course in Listening to Lectures and Note-taking	Tony Lynch	New Delhi: CUP, 2008
3	Study Speaking: A Course in Spoken English for Academic Purposes	Anderson, Kenneth, Joan Maclean and Tony Lynch	New Delhi: CUP, 2008
4	Study Reading: A Course in Reading Skills for Academic Purposes	Glendinning, Eric H. and Beverly Holmstrom	New Delhi: CUP, 2008
5	Communication Studies	Sky Massan	Palgrave Macmillan
6	Effective Communication for Arts and Humanities Students	Joan Van Emden and Lucinda Becker	Palgrave Macmillan

COURSE PLAN -READING LITERATURE IN ENGLISH

PROGRAMME	B A / BSC	SEMESTER	1
COURSE CODE AND TITLE	15U1CCENG2: READING LITERATURE IN ENGLISH	CREDIT	3
HOURS/WEEK	4	HOURS/SEM	72
FACULTY NAME			

PROGRAMME OUTCOMES

PO1	Critical Thinking and Deep Domain Knowledge
PO2	Effective Communication

PO3	Contribute to Nation Building
PO4	Care for the Environment
PO5	Ethical Values
PO6	Global Perspective

PROGRAMME SPECIFIC OUTCOMES

PSO1	Demonstrate knowledge about the socio-historical and cultural context of literary works in English and demonstrate in-depth knowledge about select texts.
PSO2	Identify and describe the thematic and literary features of select works in English and align them with the socio-political and cultural milieu.
PSO3	Articulate knowledge through oral, written or performative means, using appropriate style and register
PSO4	Edit text, set the layout, create illustrations and publish articles, journals and books.
PSO5	Demonstrate an understanding of various critical theories and reading strategies and engage with texts - literary, performance, visual etc, – from the point of view of various critical approaches and draw from them the dynamics of the relationship between nature and culture.
PSO6	Conduct independent research in the area of literary and cultural studies and produce new and critical knowledge

COURSE OUTCOMES

CO1	Explain the nuances of English Language through literature.
CO2	Compare the Varied parameters of English language.
CO3	Discover comprehensive ability.
CO4	Connect the efficiency of the students with realities of life.
CO5	Evaluate the beauty of literary expression.

Sessions	Topic	Method	Course Outcome	Remarks/Reference
1	Introducing the text book	Group Discussion	CO3	
2	Bores E V Lucas	Lecture	CO2, CO3	
3	Bores E V Lucas	Lecture	CO2, CO3	

4	A Glory has Departed- Jawaharlal Nehru	Presentation by students, Listening to the speech made by Nehru.	CO1, CO3	
5	A Glory has Departed- Jawaharlal Nehru	Individual presentations	CO1, CO4	
6	Tryst with Destiny- Amartya Sen	Lecture, Discussion	CO1, CO4	
7	Tryst with Destiny- Amartya Sen	Correction of notes	CO1	
8	How to Escape from Intellectual Rubbish-Bertrand Russel	Lecture	CO3	
9	How to Escape from Intellectual Rubbish-Bertrand Russel	Lecture	CO3	
10	Sonnet XXX- William Shakespeare	Discussion on sonnets, its structure, themes	CO5, CO3	
11	Ode to a Nightingale- John Keats	Discussion on romantic poetry	CO5	
12	Ode to a Nightingale- John Keats	Discussion, Lecture	CO5	
13	Mending Wall- Robert Frost	Lecture, Discussion on relationships, barriers	CO3	
14	Mending Wall- Robert Frost	Seminar presentations	CO1, CO4	
15	First Internal Examination	Written Examination		
16	The Bicycle- David Malouf	Lecture, discussion	CO3, CO1	
17	Distribution of answer sheets	Discussion	CO3	
18	Poor Girl- Maya Angelou	Presentation by the students- discussion on gender discrimination	CO1, CO4	
19	The Mask- Kamala Suraiya	Presentation by the students	CO4	
20	Goodbye party for Miss Pushpa T S- Nissim Ezekiel	Presentation by the students	CO4, CO1	

21	Once Upon a Time- Gabriel Okara	Discussion on relationships, African culture	CO1, CO4	
22	The Lottery Ticket- Anton Pavlovich Chekhov	Role play	CO1, CO4	
23	The Lottery Ticket- Anton Pavlovich Chekhov	Presentation based on select topics	CO3, CO1	
24	Retrieved Reformation- O. Henry	Lecture, story reading, Discussion on O Henry endings	CO3, CO4	
25	Retrieved Reformation- O. Henry	Discussion	CO3	
26	A Shadow- R K Narayan	Reading- discussion – presentation by the students	CO1, CO3	
27	A Shadow- R K Narayan	Discussion of questions and answers	CO4	
28	Correction of notebooks	Discussion	CO4	
29	A Devoted Son- Anita Deasi	Lecture	CO3	
30	A Devoted Son- Anita Deasi	Discussion based on questions	CO1,CO4	
31	Two Gentlemen of Verona- A J Cronin	Presentation by students	CO4	
32	Refund- Fritz Karinthy	Role play- discussion on educational system	CO5	
33	Refund- Fritz Karinthy	Role play- discussion on educational system	CO5	
34	Lord Byron's Love Letter-Tennessee Williams	Presentation by the students	CO3	
35	Lord Byron's Love Letter-Tennessee Williams	Presentation by the students	CO3, CO1	
36	The Monkey's Paw- W.W Jacob	Presentation by the students	CO1, CO3	
37	The Monkey's Paw- W.W Jacob	Presentation by the students	CO1	
38	Second Internal Examination	Written Examination		
39	Revision		CO4	
40	Revision		CO3	

ASSIGNMENT

	<i>Date of submission/ completion</i>	<i>Topic of Assignment & Nature of assignment (Individual/Group – Written/Presentation – Graded or Non-graded etc)</i>	<i>Weightage</i>
1		Review of a book, article	5 marks

REFERENCE

Dr. Leesa Sadasivan Ed. Reading Literature in English. Foundation Books and Mahatma Gandhi University.

COURSE PLAN – Additional Language - Hindi

PROGRAMME	ADDITIONAL LANGUAGE – HINDI	SEMESTER	1
COURSE CODE AND TITLE	U1CCHIN1A- PROSE AND DRAMA	CREDIT	4
HOURS/WEEK	4	HOURS/SEM	72
FACULTY NAME	DR.MINIPRIYA R (ASST.PROFESSOR) SYAMLAL M S (ASST.PROFESSOR)		

COURSE OBJECTIVES

1. To familiarize the students with various trends in Hindi literature.
2. To create an awareness of Indian Culture.
3. Understanding various trends in Hindi Drama and get an awareness of theatre in the context of Drama.

COURSE OUTCOMES:

	COURSE OUTCOMES	PO/ PSO	CL
CO 1	Understand the Ancient Indian culture through Hindi Prose.		U, An

CO 2	Understand various trends in Hindi Prose.		U, An
CO 3	Understand the Socio – Cultural changes in literature.		U
CO 4	Understand the various trends in Hindi Drama.		U, An
CO 5	Understand Drama and develop communication skills, performance skills.		U, A

CL* Cognitive Level

Sessions	Date	Topic	Learning Resources	Course Outcomes
MODULE I				
1		Introductory Session	Lecturing	CO 1
2		Sahitya Ki Mahatta Introduction About The Author	Oral/Descriptive	CO 1
3			Oral/Descriptive	CO 2
4			Reading/Lecturing	CO 2
5		Madhavi, Introduction About The Author	Reading/Lecturing	CO 1
6		Madhavi ,Act-1 Scene -1	Oral/Descriptive	CO 4
7			Conversation	CO 4
8			Discussion	CO 5
9		Himalay Introduction About The Author	Oral/Descriptive	CO 1
10			Oral/Descriptive	CO 2

11			Reading/Lecturing	CO 2
12		Madhavi ,Act-1 Scene -2	Reading/Lecturing	CO 4
13			Oral/Descriptive	CO 4
14		Madhavi ,Act-1 Scene -3	Conversation	CO 5
15			Discussion	CO 5
16			Conversation	CO 4
17			Discussion	CO 5
18		Neta Nahin,Nagarik Chahiye Introduction About The Author	Oral/Descriptive	CO 1
19			Oral/Descriptive	CO 2
20			Reading/Lecturing	CO 2
MODULE II				
21		Madhavi ,Act-2 Scene -1	Oral/Descriptive	CO 4
22			Conversation	CO 5
23		CIA – I	1 Hour descriptive Answers only	
24		Samashti Aur Vyakti Introduction About The Author	Oral/Descriptive	CO 1
25			Oral/Descriptive	CO 2
26			Reading/Lecturing	CO 2
27			Discussion	CO 3
28		Madhavi ,Act-2 Scene -2	Oral/Descriptive	CO 4
29			Oral/Descriptive	CO 4
30			Reading/Lecturing	CO 5

31			Conversation	CO 4
32			Discussion	CO 5
33		Madhavi ,Act-2 Scene - 3	Oral/Descriptive	CO 4
34			Reading/Lecturing	CO 1
35			Conversation	CO 4
36		Madhavi ,Act-2 Scene - 4	Oral/Descriptive	CO 1
37			Reading/Lecturing	CO 4
38			Conversation	CO 4
39		Madhavi ,Act-3 Scene - 1	Oral/Descriptive	CO 4
40			Reading/Lecturing	CO 5
41			Reading/Lecturing	CO 4
42			Discussion	CO 5
43		Stri Jo Mahaj Twacha Hai Introduction About The Author	Oral/Descriptive	CO 1 , CO 2
44			Oral/Descriptive	CO 2
45			Reading/Lecturing	CO 3
46			Reading/Lecturing	CO 3
47			Discussion	CO 2
48		Madhavi ,Act-3 Scene -2	Oral/Descriptive	CO 1
49			Reading/Lecturing	CO 4
50			Reading/Lecturing	CO 4

MODULE III				
51			Discussion	CO 5
52		Madhavi ,Act-3 Scene -3	Oral/Descriptive	CO 1
53			Reading/Lecturing	CO 4
54			Reading/Lecturing	CO 5
55			Discussion	CO 5
56		Total Summary of the Drama	Oral/Descriptive	CO 4
57		REVISION		
58		REVISION		
59		REVISION		
60		REVISION		
61		CIA – II	2 HOURS	
62		REVISION		
63		REVISION		
64		REVISION		
65		REVISION		
66		Discussion on CIA II		
67		SEMINAR	Presentation of Paper	CO 1
68		SEMINAR	Presentation of Paper	CO 3
69		SEMINAR	Presentation of Paper	CO 4
70		SEMINAR	Presentation of Paper	CO 5
71		SEMINAR	Presentation of Paper	CO 2
72		Evaluation of the Course		

ASSIGNMENTS

	Date of submission/ completion	Topic of Assignment & Nature of assignment (Individual/Group – Written/Presentation – Graded or Non-graded etc)	Marks	Corse Outcomes
1	Assignment(December)	Review of a lesson based on the text book and reference- Writing(Individual)	5	CO 4
2	Seminar (January- February)	Presentation on a given topic based on the text book and reference –Oral (Individual)	5	CO 2

Prescribed Texts

1. Gadya Gagan (M.G University,Kottayam)
2. Madhavi (Drama) By Bhisham Sahni (Rajkamal Prakashan,New Delhi)

Additional Reading List

1. Hindi Natak,Bachan Singh,Rajkamal Prakashan,New Delhi.
2. Adhunik Sahitya ki pravruithiyaan,Namvar Sigh,Lokbhrarati Prakashan,New Delhi.

COURSE PLAN – ADDITIONAL LANGUAGE -മലയാളം

Title of the course	കഥ നോവൽ
Semester in which the course is to be taught	ONE
No. of credits	4
No. of contact hours	72
Name of the professor	ഫാദർ സി .എസ് . സേവ്യർ ,വിഷ്ണുരാജ് പി .

COURSE OBJECTIVES

1. മലയാള കഥാസാഹിത്യത്തെപ്പറ്റി വിശദമായി മനസ്സിലാക്കുക
2. മലയാള നോവലിനെക്കുറിച്ച് അറിയുക
3. സമകാലിക കഥാ-നോവൽ സാഹിത്യരചനകളെ പരിചയപ്പെടുക

COURSE OUCTCOMES

1. മലയാള സാഹിത്യത്തിന്റെ ചരിത്രത്തെ മനസ്സിലാക്കുക .
- 2.മലയാളത്തിലെകഥാസാഹിത്യത്തെയും,നോവൽസാഹിത്യത്തെയും അടുത്തറിയുക .
3. ഭാഷാപ്രയോഗവും , ആശയവിനിമയവും മാതൃഭാഷയിൽ സുഗമമായി ചെയ്യാൻ കഴിയുക
4. സമകാലിക സാഹിത്യത്തെ മനസ്സിലാക്കുക .

Sessions	Date	Topic	Method	Remarks/Reference
1		Introductory Session	Lecturing	1,2,3,
2		നോവൽചരിത്രംമലയാളത്തിൽ-പൊതുആമുഖം	Lecturing	3,4
3		പുതിയനോവൽ..രചനാരീതികൾ	Group Discussion	1,3,4
4		പ്രകൃതിനിയമംനോവൽഅവതിരിപ്പിക്കുന്നു	Lecturing	1,3,4
5		1 മുതൽ 3വരെഅധ്യായങ്ങൾവിശദീകരിക്കുന്നു	Group Discussion	1,2,3,

6		4 മുതൽ 8 വരെ അധ്യായങ്ങൾ വിശദീകരിക്കുന്നു	Group Discussion	1,3,4
7		വിശദീകരിച്ച ഭാഗങ്ങളെ മുൻനിർത്തി നോവലിന്റെ ഉള്ളടക്കം ഗ്രൂപ്പായി തിരിച്ചറച്ചു നടത്തുന്നു	Seminar	1,2,3,
8		9 മുതൽ 12 വരെ അധ്യായങ്ങൾ വിശദീകരിക്കുന്നു	Lecturing	1,3,4
9		13 മുതൽ 15 വരെ അധ്യായങ്ങൾ വിശദീകരിക്കുന്നു	Lecturing	1,2,3,
10		നോവലിന്റെ രാഷ്ട്രീയം, ആഖ്യാനം, എന്നിവ ചർച്ച നടത്തുന്നു. കുറിപ്പുകൾ എഴുതുന്നു.	discussion	1,3,4
11		ചെറുകഥയെന്ന സാഹിത്യരൂപം, മലയാള ചെറുകഥയുടെ ചരിത്രം എന്നിവ പറയുന്നു.	Lecturing	1,3,4
12		ഓ.വി.വിജയൻ എന്ന കഥാകാരനെക്കുറിച്ചും, കാലത്തെയും കുറിച്ച് പറയുന്നു	discussion	Module Finished I
13		CIA -I	1 hr; descriptive answers only	1,3,4

14		കടൽതീരത്ത് എന്ന കഥ അവതരിപ്പിക്കുന്നു	Independent Reading/Lecturing	1,2,3,
15		കഥാപാഠായണം	Independent Reading/Lecturing	1,3,4
16		കഥാചർച്ച	Group Discussion	3,4
17		അഭിനയമുഹൂർത്തങ്ങൾ എന്ന കഥാവതരണം	Lecturing	1,2,3,
18		കഥാചർച്ച	Class Discussion	1,3,4
19		മാധ്യമങ്ങളും സമൂഹവും വിഷയാവതരണം	Debate	3,4
20		കഥാപ്രമേയം മുൻനിരത്തിയുള്ള വിശദീകരണം	Lecturing	1,2,3,
21		മാധവിക്കുട്ടിയുടെ കഥാലോകം പരിചയപ്പെടുത്തുന്നു	Lecturing	3,4
22		പക്ഷിയുടെ മണം കഥാവതരണം	discussion	Module II Finished
23		CIA -II	exam	3,4
24		Discussin of question paper	Questioning	3,4
25		അനുഭവങ്ങളും സാഹിത്യവും	Group Discussion	1,3,4
26		ബഷീറിന്റെ സാഹിത്യലോകം വിശദീകരിക്കുന്നു	discussion	3,4
27		ശിക്കിടിമുക്കൻ കഥാപാഠായണം	Independent Reading/Lecturing	1,2,3,
28		കഥാചർച്ച	discussion	3,4

29		എം.ടിയുടെ കഥാലോകം പരിചയപ്പെടുത്തുന്നു	Lecturing	2,3
30		ഷെർലക്ക് കഥാചർച്ച	discussion	3,4
31		സേതുവിൻറെകഥാ ലോകം -ആമുഖം	Lecturing	1,2,3,
32		ദൂത് -കഥാവായന	Independent Reading/Lecturing	1,3,4
				2,3
33		കഥയുംഭാവനയും	Lecturing	1,3,4
34		സമകാലീകകഥാലോകം	discussion	2,3
35		നോവലും കഥയും- പഠിച്ച രചനകളെ മുൻനിർത്തിയുള്ള അവതരണം	Seminar	2,3
36		നോവലും കഥയും- പഠിച്ച രചനകളെ മുൻനിർത്തിയുള്ള അവതരണം	Seminar	1,2,3,
37		കാക്കനാടൻ എന്ന കഥാകാരനെ പരിചയപ്പെടുത്തുന്നു .	Lecturing	2,3
38		കാളിയമർദ്ദനം എന്ന കഥയുടെ പാരായണം .	Independent Reading/Lecturing	1,2,3,
39		കഥാചർച്ച	Group Discussion	1,2,3,
40		സാഹിത്യവും സമൂഹവും എന്ന വിഷയം അവതരിപ്പിക്കുന്നു	Lecturing	3,4

41		തകഴി കഥകളുടെ സവിശേഷതകൾ വിവരിക്കുന്നു	Lecturing	3,4
42		അവനുകിട്ടിയ നിയമി എന്ന കഥ പഠിപ്പിക്കുന്നു	Lecturing/ Discussion	3,4
43		ഉത്തരാധുനിക കഥകളെക്കുറിച്ച് പറയുന്നു	Lecturing/ Discussion	1,2,3,
44		എൻ .എസ് .മാധവന്റെ കഥാലോകം പരിചയപ്പെടുത്തുന്നു	Lecturing/ Discussion	3,4
45		വന്മരങ്ങൾ വീഴുമ്പോൾ എന്ന കഥപാരായണം ചെയ്യുന്നു	Lecturing/ Discussion/ Reading	3,4
46		കഥാചർച്ച	Group Discussion	1,3,4
47		ഭൂതമൊഴി എന്ന കഥ പരിചയപ്പെടുത്തുന്നു	Lecturing	2,3
48		കഥാചർച്ച	Group Discussion	1,3,4
49		ഉത്തരാധുനിക കഥകളുടെ സവിശേഷതകൾ പറയുന്നു.	Lecturing/ Discussion	1,2,3,
50		Seminar presentations- Novel		3,4
51		Seminar presentations- Novel		3,4
52		Seminar presentations- Novel		3,4
53		Seminar presentations- Novel		3,4
54		Seminar presentations of shortstory		1,2,3,

55		Seminar presentations of shortstory		3,4
56		Seminar presentations of shortstory		3,4
57		Seminar presentations of shortstory		3,4
58		REVISION		3,4
59		REVISION		1,2,3,
60		Previous Question paper discussion	Discussion	
61		CIA II	2 HOURS	3,4
62		പഠിച്ച കഥകളുടെ പൊതുചർച്ച	Group discussion	2,3
63		പഠിച്ച നോവലിന്റെ പ്രധാനപ്പെട്ട അദ്ധ്യായങ്ങളുടെ പാരായണം	Reading	3,4
64		സമകാലീക നോവൽ സാഹിത്യത്തെക്കുറിച്ച് പറയുന്നു.	Lecturing/ group discussion	1,2,3,
65		Discussion on the CIA		3,4
66		REVISION		1,2,3,
67		REVISION		3,4
68		REVISION		3,4

69		REVISION		1,2,3,
70		Evaluation of the Course		3,4

ASSIGNMENTS

	Date of submission/completion	Topic of Assignment & Nature of assignment (Individual/Group – Written/Presentation – Graded or Non-graded etc)	Weighttage/cos
1		നോവൽ ആസ്വാദനം തയ്യാറാക്കുക	3,4
2		പാഠ്യപദ്ധതിയിലുള്ള കഥാകാരന്മാരുടെ സിലബസിൽ ഉൾപ്പെടുത്താതെ കഥകളുടെ പഠനങ്ങൾ	3,4

റഫറൻസ്

പ്രകൃതി നിയമം - സി ,ആർ .പരമേശ്വരൻ

Additional Reading List

എം. അച്യുതൻ - ചെറുകഥ : ഇന്നലെ ഇന്ന് (ഡി.സി. ബുക്സ്)

പി . കെ . രാജശേഖരൻ -അന്ധനായ ദൈവം : മലയാളനോവലിന്റെ നൂറുവർഷങ്ങൾ (ഡി.സി. ബുക്സ്)

Title of the course	Drama,Poetry & Alankara
Semester in which the course is to be taught	First
No. of credits	4
No. of contact hours	75
Faculty Name	

COURSE OBJECTIVES

1. To make an awareness of Sanskrit literature as a poetic tradition
2. Students can understand the poetic style with special reference to classical literature
3. Students get an awareness about Indian classical poetic tradition

COURSE OUTCOMES

CO1-The course is intended to provide students the rich Sanskrit tradition of Kavya and Drama

CO2-Through Kalidsa's kumasambava an awareness of Sanskrit literature as a poetic tradition

CO3-Students can understand the poetic style with special reference to classical literature

CO4-Students get awareness about Indian classical poetic tradition

CO5-Students familiarize the figures of speech and their usage

CO6-Students get awareness about aesthetic values

Sessions	Date	Topic	Method	Course Outcome	Remarks/ Reference
1		Introductory Session	Lecturing	CO 1	
2		Kavyas in Sanskrit Literature	Lecturing	CO 1	
3		About Panchamahakavya	Lecturing	CO 1	
4		About Kumarasambava	Lecturing	CO 1	
5		Content of kumarasambava	Lecturing	CO 1	
6		Content of kumarasambava	Lecturing	CO 1	
7		Welcoming brahmachari	Lecturing	CO 1	
8		Brahmachari's comment	Lecturing	CO 1	
9		Brahmachari's comment	writing/Lecturing	CO 1	
10		Brahmachari's comment	Writing/ Lecturing	CO 1	
11		Criticising Siva	Class Discussion	CO 1	
12		SEMINAR PRESENTATIONS		CO 5	
13		CIA -I	1hr; descriptive answers only	CO 5	
14		Introduction session	Lecturing	CO 2	
15		Bhasa's damas	Class Discussion/ Lecturing, writing	CO 2	
16		Swapnavasavadatha content	Discussion, Lecturing, writing	CO 2	
17		Swapnavasavadatha content	Lecturing	CO 2	
18		Swapnavasavadatha content	Lecturing	CO 2	

19		Swapnavasavadatha content	Lecturing	CO 2	
20		Swapnavasavadatha content	Lecturing / writing	CO 2	
21		Swapnavasavadatha content	Lecturing	CO 3	
22		Swapnavasavadatha content	Lecturing/ writing	CO 3	
23		Swapnavasavadatha content	Independent Reading/ Discussion/ Lecturing	CO 3	
24		Book Reading	Reading/	CO 3	
25		Vasavadatha	Class Discussion	CO 3	
26		Vasavadatha's missing	Lecturing	CO 3	
27		Yougandarayanna	Lecturing	CO 3	
28		King's marriage	writing//Group Discussion	CO 3	
29		Vasavadatha -servent	Lecturing/ Discussion	CO 3	
30		King's dream		CO 3	
31		Class test	Writing	CO 5	
32		Book reading	Group Discussion	CO 6	
33		Book Reading	Independent Reading/ Discussion	CO 6	
33		Critical appreciation of Swapnavasavadatha	Lecturing	CO 4	
34		Critical appreciation of Swapnavasavadatha	Lecturing	CO 4	

35		Critical appreciation of Swapnavasavadatha	Lecturing/ Group Discussion	CO 4	
36		Critical appreciation of Swapnavasavadatha	Lecturing	CO 4	
37		Critical appreciation of Swapnavasavadatha	Independent Reading/ Discussion/Lecturing	CO 4	
38		Literary aspects of Swapnavasavadattam	Lecturing/ Reading/ Discussion	CO 4	
39		Social aspects of Pratinjayaugandharayana	Lecturing/ Reading	CO 4	
40		Ecological aspects of Pratinjayaugandharayana	Lecturing /Reading	CO 4	
41		Literary aspects of Pratinjayaugandharayana	Lecturing/ Discussion/ Reading	CO 4	
42		Social aspects of Kumarasambava	Lecturing/ Reading	CO 4	
43		Ecological aspects of Kumarasambava	Discussion	CO 4	
44		Literary aspects of Kumarasambava	Lecturing	CO 4	
45		Critical appreciation of kumarasambava	Lecturing / Discussion	CO 4	
46		Critical appreciation of Swapnavasavadatha	Independent Reading/ Discussion	CO 4	
47		Critical appreciation of Swapnavasavadatha	Lecturing/ Reading	CO 4	

48		Critical appreciation of Kumarasambava	Lecturing/ Reading	CO 4	
49		Critical appreciation of Swapnavasavadatha	writing	CO 4	
50		Critical appreciation of Swapnavasavadatha	Lecturing / writing	CO 4	
51		Introduction -alankara	Lecturing	CO 4	
52		Upama	Lecturing	CO 4	
53		Ullekha	Lecturing	CO 4	
54		dvitheeyollekha	Lecturing	CO 5	
55		dipaka	Lecturing	CO 5	
56		Vyathireka	Lecturing	CO 5	
57		Aprasthuthahprashamsa	Lecturing	CO 5	
58		Swabhavokthi	Group Discussion	CO 5	
59		Drushtantha	Independent Reading/ Discussion	CO 5	
60		arthantharanyasa	Lecturing	CO 5	
61		arthantharanyasa	Discussion	CO 5	
62		Explaing with Example	Lecturing	CO 5	
63		Explaing with Example	Lecturing	CO 5	
64		Reading	Discussion	CO 5	
65		Class test	Lecturing	CO 5	
66		REVISION	Lecturing	CO 5	
67		REVISION	Questioning	CO 5	
68		SEMINAR PRESENTATIONS 1	Lecturing/ writing	CO 5	

69		SEMINAR PRESENTATIONS 2		CO 5	
70		CIA II	2hr	CO 6	
71		Discussion on the CIA II	Class Discussion	CO 6	
72		REVISION	Lecturing	CO 6	
73		REVISION	questioning	CO 6	
74		Evaluation of the Course		CO 6	
75		Question Paper Discussion	Class Discussion	CO 6	

ASSIGNMENTS

	Date of submission/completion	Topic of Assignment & Nature of assignment (Individual/Group – Written/Presentation – Graded or Non-graded etc)	Weightage
1		The aesthetic aspects of Kumarasambava	
2		Merits and Demerits of Bhasa's Swapnavasavadatha	

BASIC REFERENCE

1. Bhasanatakachakram, O.R.I & Manuscript Library
2. Swapnavasavadatham, A.R Rajarajavarma
3. Kumarasambavam translation Kuttikrishna Marrar

COURSE PLAN- FRENCH LANGUAGE AND COMMUNICATION SKILLS I

PROGRAMME		SEME STER	1
COURSE CODE AND TITLE	19U1CCFRN1A - FRENCH LANGUAGE AND COMMUNICATION SKILLS I	CREDI T	4
HOURS/SEM	72HRS		
FACULTY NAME	DR.SHOBA LIZA JOHN		

COURSE OUTCOMES (COs)	
1	Understand the basic concepts of French language including grammar, vocabulary and sentence structure.
2	Understand the basic communication skills necessary for living in France and French speaking countries.
3	Describe oneself and ones surroundings using a repertory of words and expressions in a simple and structured grammatical manner.
4	Develop business communication skills
5	Express an issue of concern including topics like environmental, social or health issues, enumerate its causes and consequences and suggest solutions
6	Understand the mannerisms, culture and tradition of France and Francophone countries and compare it to one's own country and develop co-cultural feeling
7	Understand and appreciate the history of France and Francophone countries and compare it to one's own country
8	Understand the special features of France including gastronomy, social institutions, policis, the present French scenario and compare it to one's own country

Sl.No	Session	Topic	Method of Teaching	Value Additions	CO	PO/ PSO	Cogni tive Level(CL)	Knowle dge Categor y (KC)
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	01-Jan	Introducing French Basics	role play, games. A pplying to	french basic comctn	1,2,3		U	C
	2	French basics	chalk n talk	Introduci ng oneself	1,2,3		U	C
	3	french basics	games,music		1,2,3		U	C
	4	numbers, verbes, greetings	role play		1,2,3		U	C
	5	useful sentences in French	chalk n talk		1,2,3		A	C
	6	French culture	Discussion, ICT		6,7,8		An	C
	7	introducing a third person	game		2,3		A	C
	8	ER verbs	chalk n talk, game		2,3		U	C
	9	grammar articles	role play, listening		2,3		U	C
	10	Profession	chalk n talk		2,3		U	C
	11	French culture- french names and profession	roleplay		5,6,7, 8		U	C
	12	explaing the objective of learning French	Discussion, ICT		5,6,7, 8		An	C
	17	describe a locality	oral, description		2,3,		A	C
	18	places vocabulary	games,music		2,3		U	C
	19	adjectives	role play		2,3		U	C
	20	negation	chalk n talk/roleplay		2,3		U	C
	21	Describing ur ideal locality	role play/presentati on		2,3		C	M,C
	22	French culture- express preference for city or village	Discussion		5,6,7, 8		U	C
	23	Correspondig with a friend expressing one's likings	chalk n talk/Role plays		2,3		Ap	C
	24	adjectif possessif	chalk n talk		1,2,3		U	C
	25	activities and sports vocabulary	speaking/role play		1,2,3		U	C

	26	famous french personality	discussion/comprehension		5,6,7,8		An	C
	27	french music and comparison to one's own musical preference	discussion		5,6,7,8		An	C