



Parvatibai Chowgule College of Arts and Science
(Autonomous)

Accredited by NAAC with Grade 'A+'
Best Affiliated College-Goa University Silver Jubilee Year Award



Teachers Plans

2022-23



COURSE SCHEDULE

Basic Microbiology

Semester: II

Classroom code: gccjsib

Lectures by Dr. Shaiesh Morajkar

Lectures	Lecture topics (Unit wise)
L1	Introductory session
L2	Competency Test
L3	History and Scope of Microbiology
L4	Basics of Microscopy
L5	Basics of Microscopy
L6	Bacterial Taxonomy
L7	Bacterial Taxonomy
L8	Bacterial Taxonomy
L9	Bacterial Taxonomy
L10	Reproduction in bacterial
L12	Reproduction in bacterial
L13	Cultivation of microorganisms
L14	Cultivation of microorganisms
L15	Cultivation of microorganisms
L16	Cultivation of microorganisms
L17	Cultivation of microorganisms
L18	Cultivation of microorganisms
L19	Maintenance and preservation of microbial cultures
L20	Maintenance and preservation of microbial cultures
L21	Maintenance and preservation of microbial cultures
L22	Bacteria in Extreme Environments
L23	Bacteria in Extreme Environments
L24	CA 1 (Group Presentations)
L25	CA 1 (Group Presentations)
L26	Organization and Ultrastructure of a Bacterial cell
L27	Organization and Ultrastructure of a Bacterial cell
L28	Organization and Ultrastructure of a Bacterial cell
L29	Organization and Ultrastructure of a Bacterial cell
L30	Organization and Ultrastructure of a Bacterial cell
L31	Organization and Ultrastructure of a Bacterial cell

L32	Organization and Ultrastructure of a Bacterial cell
L33	Organization and Ultrastructure of a Bacterial cell
L34	Reproduction in bacteria
L35	Reproduction in bacteria
L36	Reproduction in bacteria
L37	CA 2 (MCQs)
L38	Viruses
L39	Viruses
L40	Viruses
L41	Viruses
L42	Viruses
L43	Revision
L44	Revision

References:

1. Anantnaryan, Paniker, C.K.J. (2005). Textbook of Microbiology, 7th edition, Orient Blackswan.
2. Casida L. E. (2009). *Industrial Microbiology*, New Age International (P) Ltd. New Delhi.
3. Nair A.J. (2008) Principles of Biotechnology. Laxmi Publications Pvt Ltd.
4. Pelczar, M.J., Chan E, C.S. & Krieg, N.R. (1993). Microbiology, Fong & Sons Printers Pvt. Ltd.
5. Willey, J. M., Sherwood, L., Woolverton, C. J. & Prescott, L. M. (2008). Prescott, Harley, and Klein's Microbiology, New York, McGraw-Hill Higher Education.

COURSE SCHEDULE

Plant & Animal Physiology

Semester: IV

Classroom code: 2qnvwyc

Lectures by Dr. Shaiesh Morajkar

Lectures	Lecture topics (Unit wise)
L1	Introductory session
L2	Competency Test
L3	Plant - Water Relations
L4	Plant - Water Relations
L5	Photosynthesis & photorespiration
L6	Photosynthesis & photorespiration
L7	Photosynthesis & photorespiration
L8	Photosynthesis & photorespiration
L9	Photosynthesis & photorespiration
L10	Photosynthesis & photorespiration
L12	Physiology of flowering in angiosperms
L13	Physiology of flowering in angiosperms
L14	Physiology of flowering in angiosperms
L15	Physiology of flowering in angiosperms
L16	Plant hormones and regulation of plant growth
L17	Plant hormones and regulation of plant growth
L18	Plant hormones and regulation of plant growth
L19	Secondary metabolites in plant
L20	Secondary metabolites in plant
L21	Digestive system
L22	Digestive system
L23	Digestive system
L24	CA 1 (Group Presentations)
L25	CA 1 (Group Presentations)
L26	Muscular system
L27	Muscular system
L28	Excretory system
L29	Excretory system
L30	Excretory system
L31	Respiration and circulation

L32	Respiration and circulation
L33	Respiration and circulation
L34	Nervous system
L35	Nervous system
L36	Nervous system
L37	CA 2 (MCQs)
L38	Gametogenesis
L39	Gametogenesis
L40	Reproductive physiology
L41	Reproductive physiology
L42	Reproductive physiology
L43	Revision
L44	Revision
L45	Revision

References:

1. Jain, V K 2015 Fundamentals of Plant Physiology 18th (Edition) S Chand and company Ltd New Delhi.
2. Verma, S.K., Tyagi, A.K. & Agarwal, B.B.L. (2000). Animal Physiology, S. Chand & Company
3. Sembulingam, K., Sembulingam, P. (2012) Essentials of 6th medical physiology. Edition Jaypee brothers medical publisher. (P). Ltd. New Delhi.
4. Hopkins, W.G. (1995). Introduction to Plant Physiology, John Wiley & Sons, Inc., New York, USA.
5. Karp, G.G. (2010) Cell and Molecular Biology (6th Edition). USA: John Wiley & Sons, Inc.
Pg

Course- Software Engineering

Lec No	Topic	Reference
1	SEProcess - Obj of SE ,Component sw processes	An integrated approach to SE by Pankaj Jalote
2	SE Process - sw process characteristics	An integrated approach to SE by Pankaj Jalote
3	SE Process -sw development Processes	1.An integrated approach to SE by Pankaj Jalote, 2.Applying UML and Patterns- An Introduction to Object oriented analysis & design and the Unified Process by Craig Larman
4	SE Process -Unified Process,Agile Manifesto	-do-
5	OOAD- OOAD, Imp of modelling,Principles,UML	Applying UML and Patterns- An Introduction to Object oriented analysis & design and the Unified Process by Craig Larman
6	UML -Building Blocks of UML-structural things	-do-
7	UML -Building Blocks of UML-Things Behavioural,Grouping	-do-
8	UML - Relationships,diagrams	1.Applying UML and Patterns- An Introduction to Object oriented analysis & design and the Unified Process by Craig Larman 2. UML Distilled: A Brief Guide to the Standard Object Modeling Language, Third EditionBy Martin Fowler
9	UML- diagrams,Rules	Unified Modeling Language- By Mahesh Matha
10	UML - Common Mechanisms	Applying UML and Patterns- An Introduction to Object oriented analysis & design and the Unified Process by Craig Larman
11	UML - Classes	Unified Modeling Language- By Mahesh Matha
12	UML - Model Vocabulary of System	Applying UML and Patterns- An Introduction to Object oriented analysis & design and the Unified Process by Craig Larman
13	UML - Class Diagrams	Unified Modeling Language- By Mahesh Matha

14	UML - Use case Diagrams	Unified Modeling Language- By Mahesh Matha
15	UML - CRC cards	Applying UML and Patterns- An Introduction to Object oriented analysis & design and the Unified Process by Craig Larman
16	Software Requirements - Requirements Engineering Process	-do-
17	Software Requirements - Requirements Mgmt,Charac of reqs	-do-
18	Software Requirements - Use Case Modelling - Include,Extend	-do-
19	Software Requirements - Use Case Modelling - Generalization	-do-
20	Software Requirements - Types -Supplementary specs	-do-
21	Software Requirements - Elicitation Techniques - Workshops,interviews	-do-
22	Software Requirements - Elicitation Techniques - Storyboards,Prototypes	-do-
23	Software Requirements - FURPS- Functional Reqs	-do-
24	Software Requirements - FURPS-Non Functional Reqs	-do-
25	Domain Model & CRC	-do-
26	GRASP Patterns - IE	-do-
27	GRASP Patterns - Creator	-do-
28	GRASP Patterns - Controller	-do-
29	Design Model - Class Diagrams	1.Applying UML and Patterns- An Introduction to Object oriented analysis & design and the Unified Process by Craig Larman 2. UML Distilled: A Brief Guide to the Standard Object Modeling Language, Third EditionBy Martin Fowler
30	Design Model - Interfaces	-do-
31	Design Model - Interaction Diagrams	-do-
32	Design Model - Sequence Diagrams	-do-

33	Design Model - Seq Diagrams- Synchronous & Asynchronous diag	-do-
34	Design Model - Activity & State mc Diagrams	-do-
35	Design Model - Deployment Diagrams	-do-
36	HCI- defn, user categories	Roger Pressman, Software Engineering: A Practitioners Approach, McGraw Hill, (6th Edition), 1997.
37	Interface Design Guidelines	-do-
38	Coding-styles, standards	Steve Mc Connell, Code Complete, Microsoft Press, ISBN 978-0-7356-1967-8 Second Edition (June 2004)
39	Peer reviews, checklist, refactoring	-do-
40	Testing- strategies	Software Testing- Principles & Practices –Srinivasan Desikan, Gopalaswamy Ramesh
41	Testing Metrics	GlenfordJ. Myers, — The Art of Software Testing —, John Wiley & Sons, 1979.
42	Documentation	Software Engineering- Sommerville
43	Maintenance	-do-
44	Reengineering-BPR, Reverse Engineering	Roger Pressman, Software Engineering: A Practitioners Approach, McGraw Hill, (6th Edition), 1997.
45	Restructuring, Forward Engineering, Economics of Reengineering	-do-

Prac No	Topic	Reference
1,2	Requirements Gathering Techniques	An integrated approach to SE by Pankaj Jalote
3,4	Use Case Diagrams	Unified Modeling Language- By Mahesh Matha
5	Use case Description	Unified Modeling Language- By Mahesh Matha
6,7	Class Diagram	Unified Modeling Language- By Mahesh Matha
8,9	Sequence Diagram	Unified Modeling Language- By Mahesh Matha

10,11	Activity Diagram	Unified Modeling Language- By Mahesh Matha
12,13	State Chart Diagram	Unified Modeling Language- By Mahesh Matha
14,15	Gantt Chart	Roger Pressman, Software Engineering: A Practitioners Approach, McGraw Hill, (6th Edition), 1997

Course- Software Testing

Lec No	Topic	Reference
1	Software testing principles	An integrated approach to SE by Pankaj Jalote
2	Testing economics, SDLC and Testing, Verification & Validation	-do-
3	Testing strategies and types - White box testing techniques	Software Testing –Principles and Practices By Srinivasan Desikan & Gopalaswamy Ramesh
4	Statement coverage, Branch	-do-
5	Coverage , Condition coverage, Decision/Condition coverage	
6	Multiple condition coverage,	-do-
7	Dataflow coverage, Automated code coverage analysis	-do-
8	Inspections, Walkthroughs Code Review	-do-
9	Black box testing techniques	-do-
10	Boundary value analysis, Robustness testing	-do-
11	Equivalence partitioning, Syntax testing	-do-
12	Finite state testing, Levels of testing	Roger Pressman, Software Engineering: A Practitioners Approach, McGraw Hill, (6th Edition), 1997
13	Unit, Integration and System Testing	-do-
14	Compatibility Testing, Domain Testing, Adhoc Testing	Software Testing –Principles and Practices By Srinivasan Desikan & Gopalaswamy Ramesh
15	Use of Requirement, Traceability Matrix	-do-
16	Integration Testing - Top-down	-do-
17	Bottom up ,Big bang, Sandwich	-do-
18	System Testing	-do-
19	Performance Testing	-do-
20	Types of system testing ,Functional and non-functional	-do-
21	Acceptance Testing	-do-
22	Setting entry and exit criteria for phases and typical product release	-do-
23	scenarios ,Basic factors governing performance testing	-do-
24	Methodology for performance testing	-do-
25	Tools for performance testing	-do-
26	Regression Testing - Purpose ,Timing	-do-
27	Choice of tests ,Smoke tests	-do-
28	Best practices	-do-
29	Internationalization and Localization testing	-do-
30	Adhoc testing	-do-

31	Pair testing	-do-
32	Extreme testing, Agile testing	-do-
33	Exploratory testing,Defect seeding	-do-
34	Usability Testing	-do-
35	Accessibility testing ,Tools for usability testing	-do-
36	Testing object oriented software	-do-
37	Testing non-OO Software, Class testing strategies Class Modality	-do-
38	People and organizational issues in testing	-do-
39	Providing career paths in testing	-do-
40	Organizational structures for testing teams	-do-
41	Geographically distributed testing teams	-do-
42	Test Management and Automation	<ol style="list-style-type: none"> 1. GlenfordJ. Myers, — The Art of Software Testing —, John Wiley & Sons, 1979. 2. Software Testing – Principles and Practices By Srinivasan Desikan & Gopalaswamy Ramesh
43	Planning,TestManagement,TestProcess,TestReporting	-do-
44	TestAutomation	-do-
45	Test Metrics	-do-

Prac No	Topic	Reference
1,2,3	Planning Test Cases- Black Box Testing	Software Testing –Principles and Practices By Srinivasan Desikan & Gopalaswamy Ramesh
4,5	Planning Test Cases- White Box Testing	Software Testing –Principles and Practices By Srinivasan Desikan & Gopalaswamy Ramesh
6,7	Generating Test Cases, Test Suite	Guru99 Selenium Tutorials
8,9	Enhancing Tests	Guru99 Selenium Tutorials
10,11,12	Debugging & Running Tests	Guru99 Selenium Tutorials
13,14,15	Analyzing Results & Reporting Defects	Guru99 Selenium Tutorials

Semester Lecture Plan

Name of the college: Parvatibai Chowgule College of Arts and Science (Autonomous), Margao - Goa													
Name of Faculty: Shubhankar Shah		Subject: English											
Paper code: Eng-III.C-5		Program/Course: S.Y.B.A. – Contemporary Indian English Literature		Division: A									
Academic year: 2022 - 2023		Semester: III		Total Lectures: 45									
<p>Expected Course Outcome:</p> <ol style="list-style-type: none"> 1. To introduce the students to different genres of contemporary Indian writing in English. 2. To acquaint the students with the narrative of India's struggle for independence. 3. To familiarize the students with various themes and cultural contexts of Contemporary Indian English Writing. 													
<p>Student Learning Outcome:</p> <p>Upon completion of the course the student should be able to:</p> <p>CO 1. Analyse the common tropes in prose literature of partition and children's literature.</p> <p>CO 2. Define and recognize contemporary Indian English Literature.</p> <p>CO 3. Identify various genres employed by the contemporary Indian English writers.</p> <p>CO 4. Explain and analyse themes and narrative techniques employed by contemporary Indian English writers.</p> <p>CO 5. Identify the special features of contemporary Indian Poetry and Drama.</p>													
Month	Lectures From: _____ To: _____	No. of lectures s	Topic, Subtopic to be covered	Exercise/Assignment	ICT Tools	Reference books							

			allotted				
August	17/08/2022	20/08/2022	03	Competency Test COs, CAs and syllabus examined Unit I - Poetry: A. K. Ramanujan a) Love Poem for a Wife b) Looking for a Cousin on a Swing c) A River		Google Classroom	King, Bruce. <i>Modern Indian Poetry in English.</i> USA: Oxford University Press, 2005.
	22/08/2022	27/08/2022	03	Unit I - Poetry: Kamala Das a) An Introduction b) My Grandmother's House c) Summer in Calcutta Jayanta Mahapatra a) Hunger b) Indian Summer		Google Classroom	King, Bruce. <i>Modern Indian Poetry in English.</i> USA: Oxford University Press, 2005.
				30 August 2022 to 5 September 2022 is Chaturthi Break			
August - September	29/08/2022	03/09/2022	03	Unit I - Poetry: Keki Daruwalla a) Boat-ride Along the Ganga b) Draupadi		Google Classroom	King, Bruce. <i>Modern Indian Poetry in English.</i> USA: Oxford University

				c) Bars Adil Jussawala a) On First Approaching Santacruz Airport, Bombay			Press, 2005. Warma, Monica. <i>Modern Indian Poetry in English.</i> New Delhi: Oxford University Press, 2010.
September	05/09/2022	10/09/2022	03	Unit I - Poetry: Nissim Ezekiel a) Goodbye Party for Miss Pushpa T.S. b) Background Casually c) Poet, Lover, Birdwatcher	Google Classroom		Iyengar, K. R. S. <i>Indian Writing in English.</i> New Delhi: Sterling Publishers Pvt. Ltd., fourth edition, 1984.
	12/09/2022	17/09/2022	03	Unit I - Poetry: Arun Kolatkar a) The Bus b) An Old Woman c) Ajamil and the Tigers	Google Classroom		Naik, M. K. S. K. Desai and G. S. Amur. <i>Critical Essays on Indian Writing in English.</i> New Delhi: MacMillan, 1968.
	19/09/2022	24/09/2022	03	Unit II – Drama Mahesh Dattani - Final Solutions	Google Classroom		Iyengar, K. R. S. <i>Indian Writing in English.</i> New Delhi: Sterling Publishers Pvt. Ltd., fourth edition,

							1984.
September -October	26/09/2022	01/10/2022	03	Unit II – Drama Mahesh Dattani - Final Solutions Girish Karnad - Yayati		Google Classroom	Joshi, Dr. Rakesh. <i>Girish Karnad's Plays</i> . Jaipur: Mark Publishers, 2011.
October	03/10/2022	08/10/2022	03	Unit II – Drama Girish Karnad - Yayati		Google Classroom	Joshi, Dr. Rakesh. <i>Girish Karnad's Plays</i> . Jaipur: Mark Publishers, 2011.
	10/10/2022	15/10/2022	03	Unit II – Drama Girish Karnad – Yayati Unit III – Prose 1. Short Stories a) R. K. Narayan - A Horse and Two Goats		Google Classroom	Joshi, Dr. Rakesh. <i>Girish Karnad's Plays</i> . Jaipur: Mark Publishers, 2011. Iyengar, K. R. <i>S. Indian Writing in English</i> . New Delhi: Sterling Publishers Pvt. Ltd., fourth edition, 1984.
	17/10/2022	22/10/2022	03	Unit III – Prose 1. Short Stories		Google Classroom	Iyengar, K. R. <i>S. Indian Writing in English</i> . New Delhi: Sterling

				a) R. K. Narayan - A Horse and Two Goats b) Ruskin Bond - The Blue Umbrella			Publishers Pvt. Ltd., fourth edition, 1984.
	24/10/2022	29/10/2022	03	Unit III – Prose 1. Short Stories b) Ruskin Bond - The Blue Umbrella c) Khushwant Singh – Portrait of a Lady		Google Classroom	Khair Tabish. <i>Babu Fictions: Alienation in Contemporary Indian English Novels.</i> UP: Oxford UP,
October-November	31/10/2022	5/11/2022	03	Unit III – Prose 1. Short Stories c) Khushwant Singh – Portrait of a Lady d) Vilas Sarang – An Interview with M. Chakko		Google Classroom	Khair Tabish. <i>Babu Fictions: Alienation in Contemporary Indian English Novels.</i> UP: Oxford UP,

Assessment Rubrics

Component	Max Marks
CA 1 - Educational Resource - Podcast (Unit 1: Poetry)	25
CA 2 - Role Play (Unit 2: Drama)	25
CA 3 - Classroom PPT Presentation (Unit 3 & 4: Short Stories & Novel)	25
CA 4 - Written Test - (Unit 1 to 4)	25

Semester Lecture Plan

Name of the college: Parvatibai Chowgule College of Arts and Science (Autonomous), Margao - Goa		
Name of Faculty: Shubhankar Shah		Subject: English
Paper code: ENG-IV.C-6	Program/Course: S.Y.B.A. – Literary Criticism	Division: A
Academic year: 2022 - 2023	Semester: IV	Total Lectures: 60
Expected Course Outcome: <ol style="list-style-type: none">1. To enable the students to understand the nature of literary criticism.2. To acquaint them with the terminology of literary criticism.3. To provide them the knowledge of the important schools of literary criticism with the help of representative texts.4. To help the students grasp methods and techniques of interpreting literature.5. To be able to apply literary theory to text.		
Student Learning Outcome: <p>Upon completion of the course the student should be able to:</p> <p>CO 1: Demonstrate an understanding of key concepts in literary Criticism.</p> <p>CO 2: Explain the meaning, significance, and value of specific works literary criticism.</p> <p>CO 3: Use literary theoretical concepts to develop one's own interpretations of literary texts.</p> <p>CO 4: Analyze specific literary theories in order to distinguish them from other theories and to identify the structure and logic of their arguments.</p> <p>CO 5: Think critically about a range of literary theories.</p>		

Month	Lectures		No. of lectures allotted	Topic, Subtopic to be covered	Exercise/Assignment	ICT Tools	Reference books
January 2023	02/01/2023	05/01/2023	04	Competency Test Unit I: Introduction to literary Criticism 1. What is literature? 2. Difference between Literary Theory and Literary Criticism. 3. Functions of literary Criticism		Google Classroom	Habib M. A. R. <i>A History of Literary Criticism and Theory</i> . Blackwell Publishing, U.S.A., 2008.
	09/01/2023	12/01/2023	04	Unit I: Introduction to literary Criticism 4. Types of literary Criticism. 5. A brief survey of major critical schools Unit II: Classical Criticism 1. Features of Classical Criticism 2. Plato on Imitation and Art		Google Classroom	Daiches, David. <i>Critical Approaches to Literature</i> . Orient Longman, Mumbai, 1967. Plato. <i>The Republic</i> . Rupa Publications, India, 2013.
	16/01/2023	19/01/2023	04	Unit II: Classical Criticism 3. Aristotle's Poetics 4. Longinus' On the Sublime		Google Classroom	Aristotle. <i>The Poetics of Aristotle</i> . Emereo Publishing, Australia, 2012. Giles, Herbert Allen. <i>Longinus on the Sublime</i> . Kessinger Publishing, U.S., 2010.

	23/01/2023	26/01/2023	04	Unit III: Neo-Classical Criticism 1. Features of Neo-Classical Criticism		Google Classroom	Habib M. A. R. <i>A History of Literary Criticism and Theory</i> . Blackwell Publishing, U.S.A., 2008.
January – February 2023	30/01/2023	02/02/2023	04	Unit III: Neo-Classical Criticism 2. John Dryden- Essay of Dramatick Poesie		Google Classroom	Arnold, Thomas. <i>Dryden: An Essay of Dramatic Poesy</i> . Atlantic Publisher, New Delhi, 2006.
February 2023	06/02/2023	09/02/2023	04	Unit III: Neo-Classical Criticism 3. Alexander Pope- Essay on Criticism		Google Classroom	Habib M. A. R. <i>A History of Literary Criticism and Theory</i> . Blackwell Publishing, U.S.A., 2008.
	13/02/2023	16/02/2023	04	Unit III: Neo-Classical Criticism 4. Dr. Samuel Johnson- Preface to Shakespeare		Google Classroom	Habib M. A. R. <i>A History of Literary Criticism and Theory</i> . Blackwell Publishing, U.S.A., 2008.
	20/02/2023	23/02/2023	04	Unit IV: Romantic Criticism 1. Features of Romantic Criticism		Google Classroom	Habib M. A. R. <i>A History of Literary Criticism and Theory</i> . Blackwell Publishing, U.S.A., 2008.
February- March 2023	27/02/2023	2/03/2023	04	Unit IV: Romantic Criticism 2. William Wordsworth- Preface to Lyrical Ballads.		Google Classroom	Habib M. A. R. <i>A History of Literary Criticism and Theory</i> . Blackwell Publishing, U.S.A., 2008.
March 2023	06/03/2023	9/03/2023	04	Unit IV: Romantic Criticism 2. William		Google Classroom	Nandwani Aditya. S.T. <i>Coleridge-Biographia Literaria</i> . Anmol

				Wordsworth- Preface to Lyrical Ballads.			Publications Pvt. Ltd., New Delhi, 2009
	13/03/2023	16/03/2023	04	Unit IV: Romantic Criticism 3. Samuel Taylor Coleridge- Biographia Literaria –His concept of fancy and imagination, language of poetry.		Google Classroom	Nandwani Aditya. <i>S.T. Coleridge-Biographia Literaria</i> . Anmol Publications Pvt. Ltd., New Delhi, 2009
	20/03/2023	23/03/2023	04	Unit V: New Criticism 1. Features of New Criticism		Google Classroom	Wellek Rene. <i>A History of Modern Criticism</i> . Yale University Press, U.S., 1986
	27/03/2023	30/03/2023	04	Unit V: New Criticism 2. Thomas Stearns Eliot - Tradition and the Individual Talent		Google Classroom	Habib M. A. R. <i>A History of Literary Criticism and Theory</i> . Blackwell Publishing, U.S.A., 2008.
April 2023	03/04/2023	06/04/2023	04	Unit V: New Criticism 2. Thomas Stearns Eliot - Tradition and the Individual Talent		Google Classroom	Habib M. A. R. <i>A History of Literary Criticism and Theory</i> . Blackwell Publishing, U.S.A., 2008.
	10/04/2023	13/04/2023	04	Unit V: New Criticism 3. Ivor Armstrong Richards - Four Kinds of Meaning		Google Classroom	Habib M. A. R. <i>A History of Literary Criticism and Theory</i> . Blackwell Publishing, U.S.A., 2008.
	17/04/2023	20/04/2023	04	Unit V: New Criticism		Google Classroom	Habib M. A. R. <i>A History of Literary Criticism and Theory</i> .

			3. Ivor Armstrong Richards - Four Kinds of Meaning			<i>Theory</i> . Blackwell Publishing, U.S.A., 2008.
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Assessment Rubrics

Component	Max Marks
ISA 1 (CA1) – Google Classroom Timebound Revision Questions (Unit 1 to 5)	25
ISA 2 (CA2) – OER Video or Game (Unit 1 to 3)	25
ISA 3 (CA3) - Written Test (Unit 4 to 5)	25
ISA 4 (CA4) - Term Paper (Unit 1 to 5)	25
Practical	NA
Project	NA

Semester Lecture Plan

Name of the college: Parvatibai Chowgule College of Arts and Science (Autonomous), Margao - Goa

Name of Faculty: Shubhankar Shah

Subject: English

Paper code: ENG-E-15

Program/Course: T.Y.B.A. – Contemporary Literary Theory

Division: A

Academic year: 2022 - 2023

Semester: VI

Total Lectures: 60

Expected Course Outcome:

1. To introduce the students to the basic concepts of Contemporary Literary Theory.
2. To introduce the students to major schools of literary theory.
3. To develop the ability in the students to apply literary theory to analyze a work of literature.

Student Learning Outcome:

Upon completion of the course the student should be able to:

CO 1: Understand the literary history and movements that resulted in the trends of literary theory.

CO 2: Apply the information gained through background reading to the prose and poetry pieces studied in class.

CO 3: Define the concept and role of Literary Theory. CO 4: Classify the interlinkages between different theories of literature.

Month	Lectures From: To:		No. of lectures allotted	Topic, Subtopic to be covered	Exercise/Assignment	ICT Tools	Reference books
January 2023	02/01/2023	05/01/2023	04	Competency Test		Google Classroom	Barry Peter. <i>Beginning Theory</i> . Manchester United Press, Manchester, 1995.
				Unit I: Marxist view of Literature			
				1. Society and History: Marxist view			
	09/01/2023	12/01/2023	04	Unit I: Marxist view of Literature		Google Classroom	Klages, Mary. <i>Literary Theory: A Guide for the Perplexed</i> . New Delhi, Bloomsbury Publishing Plc, 2016.
				2. Major Marxists schools			
	16/01/2023	19/01/2023	04	Unit I: Marxist view of Literature 3. Marxism and literature: a) Literature and ideology b) Autonomy in Literature 4. Marxist approach to Literature		Google Classroom	Tyson, Lois. <i>Critical Theory Today: a User-Friendly Guide</i> . Routledge, Taylor & Francis Group, 2015.
	23/01/2023	26/01/2023	04	Unit II: Psychoanalysis 1. Views of Freud on human mind		Google Classroom	Barry Peter. <i>Beginning Theory</i> . Manchester United Press, Manchester, 1995.

January – February 2023	30/01/2023	02/02/2023	04	Unit II: Psychoanalysis 2. Freudian approach to literature		Google Classroom	Tyson, Lois. <i>Critical Theory Today: a User-Friendly Guide</i> . Routledge, Taylor & Francis Group, 2015.
February 2023	06/02/2023	09/02/2023	04	Unit II: Psychoanalysis 3. Views of Lacan		Google Classroom	Klages, Mary. <i>Literary Theory: A Guide for the Perplexed</i> . New Delhi, Bloomsbury Publishing Plc, 2016.
	13/02/2023	16/02/2023	04	Unit II: Psychoanalysis 4. Lacanian Criticism		Google Classroom	Tyson, Lois. <i>Critical Theory Today: a User-Friendly Guide</i> . Routledge, Taylor & Francis Group, 2015.
	20/02/2023	23/02/2023	04	Unit II: Psychoanalysis 5. Impact of psychoanalysis of literature		Google Classroom	Klages, Mary. <i>Literary Theory: A Guide for the Perplexed</i> . New Delhi, Bloomsbury Publishing Plc, 2016.
February-March 2023	27/02/2023	2/03/2023	04	Unit III: Structuralism and Post-structuralism 1. From New Criticism to Structuralism 2. Important Tenets of Structuralism 3. Contribution of Saussure		Google Classroom	Barry Peter. <i>Beginning Theory</i> . Manchester United Press, Manchester, 1995.
March	06/03/2023	9/03/2023	04			Google	Tyson, Lois. <i>Critical</i>

2023				<p>Unit III: Structuralism and Post-structuralism</p> <p>4. Contribution of Jonathan Culler, A. J. Greimas, Roman Jacobson, Roland Barthes</p> <p>5. Structuralist Approach to Literature</p> <p>6. Defining Deconstruction</p>		Classroom	<i>Theory Today: a User-Friendly Guide.</i> Routledge, Taylor & Francis Group, 2015.
	13/03/2023	16/03/2023	04	<p>Unit III: Structuralism and Post-structuralism</p> <p>7. Deconstructing Structuralism</p> <p>8. From Work to Text</p> <p>9. Death of the author</p>		Google Classroom	Klages, Mary. <i>Literary Theory: A Guide for the Perplexed</i> . New Delhi, Bloomsbury Publishing Plc, 2016.
	20/03/2023	23/03/2023	04	<p>Unit III: Structuralism and Post-structuralism</p> <p>10. Deconstruction an example</p> <p>11. Deconstructing Deconstruction</p>		Google Classroom	Barry Peter. <i>Beginning Theory</i> . Manchester United Press, Manchester, 1995.
	27/03/2023	30/03/2023	04	Unit IV: Voices of the		Google Classroom	Barry Peter. <i>Beginning Theory</i> . Manchester

				Subaltern: Feminist, Queer & Post-Colonial Theories 1. Feminist Theories			United Press, Manchester, 1995.
April 2023	03/04/2023	06/04/2023	04	Unit IV: Voices of the Subaltern: Feminist, Queer & Post-Colonial Theories 2. Lesbian/Gay criticism a) Lesbian and Gay theory b) Lesbian feminism	Google Classroom		Klages, Mary. <i>Literary Theory: A Guide for the Perplexed</i> . New Delhi, Bloomsbury Publishing Plc, 2016.
	10/04/2023	13/04/2023	04	Unit IV: Voices of the Subaltern: Feminist, Queer & Post-Colonial Theories c) Queer theory d) Lesbian/Gay criticism-An example 3. Postcolonial Theory a) Edward Said - Orientalism	Google Classroom		Tyson, Lois. <i>Critical Theory Today: a User-Friendly Guide</i> . Routledge, Taylor & Francis Group, 2015.
	17/04/2023	20/04/2023	04			Google	Klages, Mary. <i>Literary</i>

			Unit IV: Voices of the Subaltern: Feminist, Queer & Post-Colonial Theories b) Gayatri Spivak - Views on subalternity c) Homi K. Bhabha - Concept of mimicry		Classroom <i>Theory: A Guide for the Perplexed.</i> New Delhi, Bloomsbury Publishing Plc, 2016.
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Assessment Rubrics

Component	Max Marks
ISA 1 (CA1) – Google Classroom Time Bound Revision Questions (Continuous mode for Unit 1 to 4)	25
ISA 2 (CA2) - Classroom PPT Presentation (Continuous mode for Unit 1 to 4)	25
ISA 3 (CA3) - O.E.R. Video or Game (Unit 1 to 4)	25
ISA 4 (CA4) – Term Paper (Unit 1 to 4)	25
Practical	NA
Project	NA

Semester Lecture Plan

Name of the college: Parvatibai Chowgule College of Arts and Science (Autonomous), Margao - Goa													
Name of Faculty: Shubhankar Shah		Subject: English											
Paper code: ENG-E-17		Program/Course: T.Y.B.A. – Modern Indian Literature in Translation		Division: A									
Academic year: 2022 - 2023		Semester: V		Total Lectures: 60									
<p>Expected Course Outcome:</p> <ol style="list-style-type: none"> 1. To introduce selected texts from a different Indian Languages translated in English. 2. To create awareness of subcultural variations in translated works. 3. To familiarize the students with various themes, styles in the genres of fiction, poetry and drama. 													
<p>Student Learning Outcome:</p> <p>Upon completion of the course the student should be able to:</p> <p>CO 1. Identify subcultural variations in translated works.</p> <p>CO 2. Critically analyze the translated texts.</p> <p>CO 3. Demonstrate their awareness of canonization of Indian Literature in English translation.</p> <p>CO 4. Compare the various themes, styles in the genres of fiction, poetry and drama as reflected in the prescribed translations.</p>													
Month	From: Lectures To:	No. of lecture s allotted	Topic, Subtopic to be covered	Exercise/Assignment	ICT Tools	Reference books							

August	18/08/2022	20/08/2022	04	Competency Test COs, CAs and syllabus examined Background and Contextual Study Unit I: Poetry Jibanananda Das: i) I Shall Return to this Bengal ii) Banalata Sen		Google Classroom	Iyengar, K. R. <i>S. Indian Writing in English.</i> New Delhi: Sterling Publishers Pvt. Ltd., fourth edition, 1984.
	22/08/2022	27/08/2022	04	Unit I: Poetry b. Namdeo Dhasal: i) Cruelty ii) Man, You Should Explode c. Anamika: i) The Door		Google Classroom	Iyengar, K. R. <i>S. Indian Writing in English.</i> New Delhi: Sterling Publishers Pvt. Ltd., fourth edition, 1984.
August - September	29/08/2022	03/09/2022	04	Unit I: Poetry c. Anamika: ii) Knowing d. Amrita Pritam: i) Empty Space ii) Street Dog		Google Classroom	Naik, M. K, S. K. Desai and G. S. Amur. <i>Critical Essays on Indian Writing in English.</i> New Delhi: MacMillan, 1968.
September	05/09/2022	10/09/2022	04	Unit II: Novel a. U. R.		Google Classroom	Naik, M. K, S. K. Desai and

				Ananthamurthy: <i>Samaskara: A Rite for a Dead Man</i> Background Reading session Thematic Analysis Character study		G. S. Amur. <i>Critical Essays on Indian Writing in English.</i> New Delhi: MacMillan, 1968.
	12/09/2022	17/09/2022	04	Unit II: Novel b. <i>Tamas</i> by Bhisham Sahni Background Reading session Thematic Analysis Character study	Google Classroom	Khair Tabish. <i>Babu Fictions: Alienation in Contemporary Indian English Novels.</i> UP: Oxford UP,
	19/09/2022	24/09/2022	04	Unit III: Short Stories a. Ismat Chughtai: The Quilt b. Mahaswetha Devi: Draupadi	Google Classroom	Khair Tabish. <i>Babu Fictions: Alienation in Contemporary Indian English Novels.</i> UP: Oxford UP,
September -October	26/09/2022	01/10/2022	04	Unit III: Short Stories c. Satyajit Ray: Fritz d. Vimala Devi: Nattak	Google Classroom	Iyengar, K. R. S. <i>Indian Writing in English.</i> New Delhi: Sterling Publishers Pvt. Ltd., fourth edition, 1984.

October	03/10/2022	08/10/2022	04	Unit III: Short Stories e. Jayanti Naik: The Fulfilment of a Desire f. Rabindranath Tagore: Subha		Google Classroom	Iyengar, K. R. S. <i>Indian Writing in English</i> . New Delhi: Sterling Publishers Pvt. Ltd., fourth edition, 1984.
	10/10/2022	15/10/2022	04	Unit IV: Drama <i>Aadhe Adhure</i> (Halfway House) by Mohan Rakesh Background Reading session		Google Classroom	Naik, M. K. S. K. Desai and G. S. Amur. <i>Critical Essays on Indian Writing in English</i> . New Delhi: MacMillan, 1968.
	17/10/2022	22/10/2022	04	Unit IV: Drama <i>Aadhe Adhure</i> (Halfway House) by Mohan Rakesh Thematic Analysis Character study Unit IV: Drama a. Girish Karnad-Nagamandal Background Reading session		Google Classroom	Naik, M. K. S. K. Desai and G. S. Amur. <i>Critical Essays on Indian Writing in English</i> . New Delhi: MacMillan, 1968.
	24/10/2022	29/10/2022	04	Unit IV: Drama b. Girish Karnad-Nagamandal		Google Classroom	Joshi, Dr. Rakesh. <i>Girish Karnad's Plays</i> . Jaipur:

				Thematic Analysis Character study			Mark Publishers, 2011.
October- November	31/10/2022	5/11/2022	04	Revision & CA 4 whole syllabus Test		Google Classroom	Naik, M. K. S. K. Desai and G. S. Amur. <i>Critical Essays on Indian Writing in English.</i> New Delhi: MacMillan, 1968.

Assessment Rubrics

Component	Max Marks
CA 1 - Educational Resource - Podcast (Unit 1: Poetry)	25
CA 2 – Classroom PPT Presentation (Unit 3: Short Stories)	25
CA 3 - Written Test (Unit 2 & 4: Novels & Drama)	25
CA 4 - Term Paper (Unit 1 to 4)	25

Semester Lecture Plan

Name of the college: Parvatibai Chowgule College Of Arts & science- Autonomous, Gogol, Margao-Goa											
Name of Faculty: Dr.Pradeep R. Jatal			Subject: Bhasha Koushal (भाषा कौशल)								
Paper code: FC-HIN.1			Program/Course: Bachelor of Science			Division:					
Academic year: 2022- 2023		Semester: II			Total Lectures:30						
<p>Course Objectives:</p> <p>इस पाठ्यक्रम के माध्यम से विद्यार्थियों में भाषा कौशल की वृद्धि कराना है।</p> <p>संगणक युग में भी भाषण, लेखन वाचन, लेखन कौशल बना रहे, इस दिशा में प्रयत्न कराना है।</p> <p>उन्हें क्रमशः इन चार कौशलों के माध्यम से उस सोपान तक ले जाना है, जहाँ वे हिन्दी भाषा का प्रयोग एवं लेखन सही ढंग से कर सकें।</p>											
<p>Course Learning Outcome:</p> <ol style="list-style-type: none"> 1) भाषण-कला विकसित होगी। 2) श्रवण-क्षमता का विकास होगा। 3) वाचन-कौशल निर्माण होगा। 4) लेखन-कला के साथ हिन्दी भाषा के व्यवहार में दक्ष होंगे। 											
Month	Lectures From: To:	No. of lectures allotted	Topic, Subtopic to be covered	Learning outcome	ICT Tools	Reference books					
January	04/1/2023 05/1/2023 11/1/2023 12/1/2023	04	इकाई एक - भाषा कौशल: सामान्य परिचय	हिन्दी भाषा के व्यवहार में दक्ष होंगे।	क्लासरूम टीचिंग, पावर प्लाइंट प्रेजेंटेशन,	भाषा शिक्षण-रवीन्द्रनाथ श्रीवास्तव हिन्दी शिक्षण विधियाँ- शशिबाला भाषाविज्ञान-भोलानाथ					

			भाषा- अर्थ एवं परिभाषा		क्लास में चर्चा, वेबलिंक,	तिवारी
January-Feb	18/1/2023 19/1/2023 25/1/2023 01/2/2023	04	भाषा कौशल: चारों भाषा कौशलों का सामान्य परिचय।	हिन्दी भाषा के व्यवहार में दक्ष होंगे।	क्लासरूम टीचिंग, पावर प्वाइंट प्रेजेंटेशन, क्लास में चर्चा, वेबलिंक,	भाषा शिक्षण-रवीन्द्रनाथ श्रीवास्तव हिन्दी शिक्षण विधियाँ- शशिबाला
February	02/2/2023 08/2/2023 09/2/2023 15/2/2023	04	भाषा-कौशल का महत्त्व एवं (संक्षिप्त विकासक्रम)	हिन्दी भाषा के व्यवहार में दक्ष होंगे।	क्लासरूम टीचिंग, पावर प्वाइंट प्रेजेंटेशन, क्लास में चर्चा, वेबलिंक,	भाषा शिक्षण-रवीन्द्रनाथ श्रीवास्तव हिन्दी शिक्षण विधियाँ- शशिबाला
Feb-March	16/2/2023 22/2/2023 23/2/2023 1/3/2023	04	इकाई दो- श्रवण कौशल का अर्थ स्वरूप, महत्त्व एवं उद्देश्य	श्रवण-क्षमता का विकास होगा। हिन्दी भाषा के व्यवहार में दक्ष होंगे।	क्लासरूम टीचिंग, पावर प्वाइंट प्रेजेंटेशन, क्लास में चर्चा, वेबलिंक,	भाषा शिक्षण-रवीन्द्रनाथ श्रीवास्तव हिन्दी शिक्षण विधियाँ- शशिबाला
March	02/3/2023 08/3/2023 09/3/2023 15/3/2023	04	श्रवण कौशल की विशेषताएँ। श्रवण कौशल को बेहतर करने सुधारने के उपाय।	श्रवण-क्षमता का विकास होगा। हिन्दी भाषा के व्यवहार में दक्ष होंगे।	क्लासरूम टीचिंग, पावर प्वाइंट प्रेजेंटेशन, क्लास में चर्चा, वेबलिंक।	भाषा शिक्षण-रवीन्द्रनाथ श्रीवास्तव हिन्दी शिक्षण विधियाँ- शशिबाला
March	16/3/2023 23/3/2023	04	श्रवण कौशल को	श्रवण-क्षमता का	क्लासरूम	भाषा शिक्षण-रवीन्द्रनाथ

	29/3/2023 30/3/2023		बेहतर करने सुधारने के उपाय। भाषण/ मौखिक कौशल का अर्थ स्वरूप, महत्त्व।	विकास होगा। हिन्दी भाषा के व्यवहार में दक्ष होंगे।	टीचिंग, पावर प्वाइंट प्रेजेंटेशन, क्लास में चर्चा, वेबलिंक।	श्रीवास्तव हिन्दी शिक्षण विधियाँ- शशिबाला	
April	5/4/2023 12/4/2023	6/4/2023 13/4/2023	04	भाषण/ मौखिक कौशल का उद्देश्य। भाषण/ मौखिक की विशेषताएँ	भाषण-कला विकसित होगी। हिन्दी भाषा के व्यवहार में दक्ष होंगे।	क्लासरूम टीचिंग, पावर प्वाइंट प्रेजेंटेशन, क्लास में चर्चा, वेबलिंक।	भाषा शिक्षण-रवीन्द्रनाथ श्रीवास्तव हिन्दी शिक्षण विधियाँ- शशिबाला
April	19/4/2023	20/4/2023	02	भाषण/ मौखिक कौशल को बेहतर करने के उपाय।	भाषण-कला विकसित होगी। हिन्दी भाषा के व्यवहार में दक्ष होंगे।	क्लासरूम टीचिंग, पावर प्वाइंट प्रेजेंटेशन, क्लास में चर्चा, वेबलिंक।	भाषा शिक्षण-रवीन्द्रनाथ श्रीवास्तव हिन्दी शिक्षण विधियाँ- शशिबाला

Semester Lecture Plan

Name of the college: Parvatibai Chowgule College Of Arts & science- Atonomous, Gogol, Margao Goa											
Name of Faculty: Dr.Pradeep R. Jatal		Subject: Hindi natak,Vrutachitra Evam feature film									
Paper code: HIN-I.C-3		Program/Course: Bachelor of Arts		Division:							
Academic year: 2022- 2023		Semester: II		Total Lectures: 45							
<p>Course Objectives:</p> <ul style="list-style-type: none"> ○ असगर वजाहत का नाटक 'जिस लाहौर नई देख्या ओ जम्याइ नई' के माध्यम से नाटक का परिचय कराते हुए विद्यार्थियों को सांप्रदायिक सङ्ग्राव एवं मानवी मूल्यों का परिचय कराना। ○ साथ ही वृत्तचित्र एवं फीचर फिल्म लेखन के सैद्धांतिक पक्ष की जानकारी देना। 											
<p>Course Learning Outcome:</p> <ul style="list-style-type: none"> ○ विद्यार्थी नाट्य परंपरा एवं नाटक की अवधारणा, स्वरूप एवं तत्वों से परिचित होंगे। ○ 'जिस लाहौर नई देख्या ओ जम्याइ नई' नाटक एवं नाटककार असगर वजाहत के रचना संसार से परिचित होंगे और विद्यार्थियों को सांप्रदायिक सङ्ग्राव एवं मानवीय मूल्यों का परिचय प्राप्त होगा। ○ विद्यार्थियों में अभिनय कौशल के प्रति अभिरुचि पैदा होगी। ○ वृत्तचित्र एवं फीचर लेखन के सैद्धांतिक पक्ष तथा उसके अंतर को समझने में सक्षम होंगे। 											
Month	Lectures From: To:	No. of lectures allotted	Topic, Subtopic to be covered	Learning outcome	ICT Tools	Reference books					
January	6/1/2023 7/1/2023 (2 lects)	03	इकाई एक - विषय परिचय। नाटक की अवधारणा,अर्थ।	विद्यार्थी नाट्य परंपरा एवं नाटक की अवधारणा, स्वरूप एवं तत्वों से परिचित होंगे।	क्लासरूम टीचिंग, पावर प्लाइट प्रेजेंटेशन, क्लास में समूह चर्चा।	दशरथ ओङ्गा, 'हिन्दी नाटक का विकास',राजपाल एण्ड सन्स, नयी दिल्ली,2003					

January	13/1/2023 14/1/2023 (2 Lects)	03	नाटक की परिभाषा एवं स्वरूप	विद्यार्थी नाट्य परंपरा एवं नाटक की अवधारणा, स्वरूप एवं तत्वों से परिचित होंगे।	क्लासरूम टीचिंग, पावर प्वाइंट प्रेजेंटेशन, क्लास समूह चर्चा।	दशरथ ओङ्गा, 'हिन्दी नाटक का विकास', राजपाल एण्ड सन्स, नयी दिल्ली, 2003
January	20/1/2023 21/1/2023 (2 Lects)	03	नाटक के तत्व	विद्यार्थी नाट्य परंपरा एवं नाटक की अवधारणा, स्वरूप एवं तत्वों से परिचित होंगे।	क्लासरूम टीचिंग, पावर प्वाइंट प्रेजेंटेशन, क्लास में प्रकट चर्चा।	दशरथ ओङ्गा, 'हिन्दी नाटक का विकास', राजपाल एण्ड सन्स, नयी दिल्ली, 2003
January	27/1/2023 28/1/2023 (2 Lects.)	03	नाटक के तत्व	विद्यार्थी नाट्य परंपरा एवं नाटक की अवधारणा, स्वरूप एवं तत्वों से परिचित होंगे।	क्लासरूम टीचिंग, पावर प्वाइंट प्रेजेंटेशन, क्लास में प्रकट चर्चा।	दशरथ ओङ्गा, 'हिन्दी नाटक का विकास', राजपाल एण्ड सन्स, नयी दिल्ली, 2003
February	3/2/2023 4/2/2023 (2 Lects.)	03	इकाई दो- जिस लाहौर नई देख्या ओ जम्याइ नई-असगर वजाहत कठीण शब्दार्थ, नाट्य तत्वों के आधारपर प्रकट वाचन एवं विश्लेषण।	'जिस लाहौर नई देख्या ओ जम्याइ नई' नाटक एवं नाटककार असगर वजाहत के रचना संसार से परिचित होंगे और विद्यार्थियों को सांप्रदायिक सद्ग्राव	क्लासरूम टीचिंग, पावर प्वाइंट प्रेजेंटेशन, क्लास में प्रकट नाट्यवाचन एवं चर्चा।	जिस लाहौर नई देख्या ओ जम्याइ नई-असगर वजाहत, वाणी प्रकाशन 2010 (प्रथम संस्करण)

				एवं मानवीय मूल्यों का परिचय प्राप्त होगा।		
February	10/2/2023 11/2/2023 (2 Lects.)	03	जिस लाहौर नई देख्या ओ जम्याइ नई-असगर वजाहत कठीण शब्दार्थ, नाट्य तत्वों के आधारपर प्रकट वाचन एवं विश्लेषण।	1.'जिस लाहौर नई देख्या ओ जम्याइ नई' नाटक एवं नाटककार असगर वजाहत के रचना संसार से परिचित होंगे और विद्यार्थियों को सांप्रदायिक सद्ग्राव एवं मानवीय मूल्यों का परिचय प्राप्त होगा। 2. विद्यार्थियों में अभिनय कौशल के प्रति अभिरुचि पैदा होगी।	क्लासरूम टीचिंग, पावर प्वाइंट प्रेजेंटेशन, क्लास में प्रकट नाट्यवाचन एवं चर्चा।	जिस लाहौर नई देख्या ओ जम्याइ नई-असगर वजाहत, वाणी प्रकाशन 2010 (प्रथम संस्करण)
February	17/2/2023 18/2/2023 (2 Lects.)	03	जिस लाहौर नई देख्या ओ जम्याइ नई-असगर वजाहत कठीण शब्दार्थ,	1.'जिस लाहौर नई देख्या ओ जम्याइ नई' नाटक एवं नाटककार असगर	क्लासरूम टीचिंग, पावर प्वाइंट प्रेजेंटेशन, क्लास में प्रकट नाट्यवाचन एवं	जिस लाहौर नई देख्या ओ जम्याइ नई-असगर वजाहत, वाणी प्रकाशन 2010 (प्रथम संस्करण)

			<p>नाट्य तत्वों के आधारपर प्रकट वाचन एवं विश्लेषण।</p>	<p>वजाहत के रचना संसार से परिचित होंगे और विद्यार्थियों को सांप्रदायिक सद्ग्राव एवं मानवीय मूल्यों का परिचय प्राप्त होगा।</p> <p>2. विद्यार्थियों में अभिनय कौशल के प्रति अभिरुचि पैदा होगी।</p>	चर्चा।	
February	24/2/2023 25/2/2023 (2 Lects.)	03	<p>जिस लाहौर नई देख्या ओ जम्याइ नई-असगर वजाहत कठीण शब्दार्थ, नाट्य तत्वों के आधारपर प्रकट वाचन एवं विश्लेषण।</p>	<p>1.'जिस लाहौर नई देख्या ओ जम्याइ नई' नाटक एवं नाटककार असगर वजाहत के रचना संसार से परिचित होंगे और विद्यार्थियों को सांप्रदायिक सद्ग्राव एवं मानवीय मूल्यों का परिचय प्राप्त होगा।</p>	<p>क्लासरूम टीचिंग, पावर प्वाइंट प्रेजेंटेशन, क्लास में प्रकट नाट्यवाचन एवं चर्चा।</p>	<p>जिस लाहौर नई देख्या ओ जम्याइ नई-असगर वजाहत, वाणी प्रकाशन 2010 (प्रथम संस्करण)</p>

				2. विद्यार्थियों में अभिनय कौशल के प्रति अभिरुचि पैदा होगी।		
March	3/3/2023 4/3/2022 (2 Lects.)	03	जिस लाहौर नई देख्या ओ जम्याइ नइ-असगर वजाहत नाट्य तत्वों के आधारपर प्रकट वाचन एवं विश्लेषण।	1.“जिस लाहौर नइ देख्या ओ जम्याइ नई” नाटक एवं नाटककार असगर वजाहत के रचना संसार से परिचित होंगे और विद्यार्थियों को सांप्रदायिक सद्ग्राव एवं मानवीय मूल्यों का परिचय प्राप्त होगा। 2. विद्यार्थियों में अभिनय कौशल के प्रति अभिरुचि पैदा होगी।	क्लासरूम टीचिंग, पावर प्वाइंट प्रेजेंटेशन, क्लास में प्रकट नाट्यवाचन एवं चर्चा।	जिस लाहौर नई देख्या ओ जम्याइ नइ-असगर वजाहत, वाणी प्रकाशन 2010 (प्रथम संस्करण)
March	10/3/2023 11/3/2022 (2 Lects.)	03	जिस लाहौर नई देख्या ओ जम्याइ नइ-असगर वजाहत	1.“जिस लाहौर नइ देख्या ओ जम्याइ नई” नाटक एवं	क्लासरूम टीचिंग, पावर प्वाइंट प्रेजेंटेशन, क्लास में प्रकट	जिस लाहौर नई देख्या ओ जम्याइ नइ-असगर वजाहत, वाणी प्रकाशन 2010 (प्रथम संस्करण)

			<p>कठीण शब्दार्थ, नाट्य तत्वों के आधारपर प्रकट वाचन एवं विश्लेषण।</p>	<p>नाटककार असगर वजाहत के रचना संसार से परिचित होंगे और विद्यार्थियों को सांप्रदायिक सद्ग्राव एवं मानवीय मूल्यों का परिचय प्राप्त होगा।</p> <p>2. विद्यार्थियों में अभिनय कौशल के प्रति अभिरुचि पैदा होगी।</p>	<p>नाट्यवाचन एवं चर्चा।</p>	
March	17/3/2023 18/3/2022 (2 Lects.)	03	<p>जिस लाहौर नई देख्या ओ जम्याइ नइ-असगर वजाहत कठीण शब्दार्थ, नाट्य तत्वों के आधारपर प्रकट वाचन एवं विश्लेषण।</p>	<p>1.'जिस लाहौर नइ देख्या ओ जम्याइ नइ' नाटक एवं नाटककार असगर वजाहत के रचना संसार से परिचित होंगे और विद्यार्थियों को सांप्रदायिक सद्ग्राव एवं मानवीय मूल्यों का परिचय</p>	<p>क्लासरूम टीचिंग, पावर प्वाइंट प्रेजेंटेशन, क्लास में प्रकट नाट्यवाचन एवं चर्चा।</p>	<p>जिस लाहौर नई देख्या ओ जम्याइ नइ-असगर वजाहत, वाणी प्रकाशन 2010 (प्रथम संस्करण)</p>

				प्राप्त होगा। 2. विद्यार्थियों में अभिनय कौशल के प्रति अभिरुचि पैदा होगी।		
March	24/3/2023 25/3/2022 (2 Lects.)	03	जिस लाहौर नई देख्या ओ जम्याइ नई-असगर वजाहत कठीण शब्दार्थ, नाट्य तत्वों के आधारपर प्रकट वाचन एवं विश्लेषण।	1.'जिस लाहौर नई देख्या ओ जम्याइ नई' नाटक एवं नाटककार असगर वजाहत के रचना संसार से परिचित होंगे और विद्यार्थियों को सांप्रदायिक सङ्ग्राव एवं मानवीय मूल्यों का परिचय प्राप्त होगा। 2. विद्यार्थियों में अभिनय कौशल के प्रति अभिरुचि पैदा होगी।	क्लासरूम टीचिंग, पावर प्वाइंट प्रेजेंटेशन, क्लास में प्रकट नाट्यवाचन एवं चर्चा।	जिस लाहौर नई देख्या ओ जम्याइ नई-असगर वजाहत, वाणी प्रकाशन 2010 (प्रथम संस्करण)
March	31/3/2023 01/4/2023 (2 Lects.)	03	जिस लाहौर नई देख्या ओ जम्याइ नई-असगर	1.'जिस लाहौर नई देख्या ओ जम्याइ नई'	क्लासरूम टीचिंग, पावर प्वाइंट प्रेजेंटेशन,	जिस लाहौर नई देख्या ओ जम्याइ नई-असगर वजाहत, वाणी प्रकाशन

			<p>वजाहत नाट्य तत्वों के आधारपर विश्लेषण एवं समीक्षात्मक अध्ययन।</p>	<p>नाटक एवं नाटककार असगर वजाहत के रचना संसार से परिचित होंगे और विद्यार्थियों को सांप्रदायिक सद्ग्राव एवं मानवीय मूल्यों का परिचय प्राप्त होगा।</p> <p>2. विद्यार्थियों में अभिनय कौशल के प्रति अभिरुचि पैदा होगी।</p>	<p>क्लास में प्रकट नाट्यवाचन एवं चर्चा।</p>	2010 (प्रथम संस्करण)
April	08/4/2023 (2 Lects.) 14/4/2023	03	<p>जिस लाहौर नई देख्या ओ जम्याइ नइ-असगर वजाहत कठीण शब्दार्थ, नाट्य तत्वों के आधारपर विश्लेषण एवं समीक्षात्मक अध्ययन।</p>	<p>1. 'जिस लाहौर नइ देख्या ओ जम्याइ नइ' नाटक एवं नाटककार असगर वजाहत के रचना संसार से परिचित होंगे और विद्यार्थियों को सांप्रदायिक सद्ग्राव एवं मानवीय</p>	<p>क्लासरूम टीचिंग, पावर प्वाइंट प्रेजेंटेशन, क्लास में प्रकट नाट्यवाचन एवं चर्चा।</p>	जिस लाहौर नई देख्या ओ जम्याइ नइ-असगर वजाहत, वाणी प्रकाशन 2010 (प्रथम संस्करण)

				मूल्यों का परिचय प्राप्त होगा। 2. विद्यार्थियों में अभिनय कौशल के प्रति अभिरुचि पैदा होगी।		
April	15/4/2023 (2 Lects.) 21/4/2023	03	जिस लाहौर नई देख्या ओ जम्याइ नई-असगर वजाहत नाट्य तत्वों के आधारपर विश्लेषण एवं समीक्षात्मक अध्ययन।	1.'जिस लाहौर नई देख्या ओ जम्याइ नई' नाटक एवं नाटककार असगर वजाहत के रचना संसार से परिचित होंगे और विद्यार्थियों को सांप्रदायिक सङ्ग्रह एवं मानवीय मूल्यों का परिचय प्राप्त होगा। 2. विद्यार्थियों में अभिनय कौशल के प्रति अभिरुचि पैदा होगी।	क्लासरूम टीचिंग, पावर प्वाइंट प्रेजेंटेशन, क्लास में प्रकट नाट्यवाचन एवं चर्चा।	जिस लाहौर नई देख्या ओ जम्याइ नई-असगर वजाहत, वाणी प्रकाशन 2010 (प्रथम संस्करण)

Lecture Plan		
Name of the college: Parvatibai Chowgule College of Arts & Science (AUTONOMOUS)		
Name of Faculty: Ms. Glynis Dias	Subject: Spoken and Written Skills of Kankani Language	
Paper code: FC-KON-I	Program: FY BA	Division: A
Academic year: 2022 - 2023	Semester: I	Total Lectures: 60
<p>Course Objectives:</p> <p>1. कोंकणी भाशेची मुळावी आनी व्याकरणीक वळख विद्यार्थ्यांक करून दिवप.</p> <p>2. कोंकणी भाशेची मौखीक कौशल्यां विद्यार्थ्यांक शिकोवप.</p> <p>3. कोंकणी भाशेची लिखीत कौशल्यां विद्यार्थ्यांक शिकोवप.</p> <p>4. वेवसायीक मळांचेर मुखार सरपाक गरजेचे अशों मुळावै गिन्यान विद्यार्थ्यांक दिवप.</p>		

Expected Course Outcome:**Student Learning Outcome:**

1. कोंकणी विद्यार्थी कोंकणी भाशेत मौखिक कौशल्यां शिकतलो.
2. कोंकणी विद्यार्थी कोंकणीची लिखीत कौशल्यां अभ्यासतलो.
3. हया अभ्यासक्रमांतल्यान छापील आनी इलॅक्ट्रॉनीक प्रसार माध्यमां खातीर बातम्यो सांगपी ,निवेदक आनी संपादक तयार जातले.
4. साबार कार्यावर्ळीचे सुत्रसंचालक वा संयोजक तयार जातले .

Month	Lecture From	Lecture To	No. of lectures allotted	Topic, Subtopic to be covered	Exercise/Assignment	ICT Tools	Reference books
JULY	25.07.2022	28.07.2022	04	पुराय अभ्यासक्रमाचेर भासाभास 1. कोंकणी भाशेच्या	विशय दिवन विद्यार्थ्यांक उलोवपाक लावप, विशय	Power point presentation	

				मौखिक कौशल्यांचो अळ्यास कोंकणी भाशेच्या मौखिक कौशल्यांची गरज आनी उपयोजन	दिवन विट्यार्थ्याक भासाभास करपाक लावप.		
AUGUST	01.08.2022	29.08.2022	15	2. कोंकणी भाशेच्या लिखीत कौशल्यांचो अळ्यास कोंकणी भाशेच्या लिखीत कौशल्यांची गरज आनी उपयोजन, कोंकणी भाशेची मुळावी वळख, कोंकणी व्याकरण, पत्र लेखन, आमंत्रण पत्रां, भेटकार्ड	भेटकार्ड, आमंत्रण पत्रां तयार करून घेवप, पत्रां बरोवपाक सांगप	Power point presentation	1. कारबारी कोंकणी, भास संपादक दामोदर घाणेकर, राजहंस प्रकाशन, चवथी आवृत्ती 2013.
SEPTEMBER	06.09.2022	29.09.2022	15	2. कोंकणी	टी.वी आनी	Power point	1. कोंकणी

				<p>भाशेच्या लिखीत कौशल्यांचो अभ्यास कॉंकणी शुद्धलेखना चे नेम 3. कॉंकणी भाशेची कौशल्यां : रेडिओ आनी टि .वी. माध्यमां खातीर नेमाळे आनी दिसाळ्या खातीर बातमी, जायरात लेखन, मुलाखत, सुत्रलंचालन, भाशण कौशल्य</p>	<p>नेमाळ्या खातीर खास जायरात निर्मीती करपाक लावप.</p>	presentation	<p>शुद्धलेखनाचे नेम, गोवा कॉकणी अकादेमी, पांचवी आवृत्ती, 2015.</p> <p>2. कारबारी कॉकणी, भास संपादक दामोदर घाणेकर, राजहंस प्रकाशन, चवथी आवृत्ती 2013.</p>
OCTOBER	03.10.2022	31.10.2022	17	<p>4. कॉंकणी भाशेची कौशल्यां आनी संगणकीय तंत्रज्ञान</p>	टायपिंग करून घेवप	Power point presentation	

				कोंकणी टायपसेटिंग कौशल्य, कोंकणी न्यूज लॅटर तयार करपाचे कौशल्य, पावर पोयंट सादरीकरणाचे कौशल्य		
NOVEMBER	01.11.2022	10.11.2022	07	प्रत्यक्षिकां आनी सादरीकरण	Power point presentation	

* **Assessment Rubrics**

Component	Max Marks
CA 1(ASSIGNMENT)	20
CA 2 (POWERPOINT PRESENTATION)	20
CA 3(WRITTEN)	20
ACTIVITIES	10
Semester End Exam	30

Lecture Plan		
Name of the college: Parvatibai Chowgule College of Arts & Science (AUTONOMOUS)		
Name of Faculty: Ms. Glynis Dias	Subject: Study of Modern Medias	
Paper code: KON-VI.E-14	Program: SYBA	Division: A
Academic year: 2022 - 2023	Semester: IV	Total Lectures: 60
<p>Course Objectives:</p> <p>1. प्रसारमाध्यमांचो आरंभ आनी इतिहास समजून घेवप.</p> <p>2. आर्विल्ल्या प्रसारमाध्यमांची शास्त्रीय अभ्यासणी करप.</p> <p>3. आर्विल्ल्या प्रसारमाध्यमांची साबार आंगां आनी कौशल्ल्यां</p>		

विद्यार्थ्यांक
शिकोवप.
4. विद्यार्थ्यां
मर्दीं कोंकणी
प्रसारमाध्यमां
खातीर वावर
करपाची
अभिरुची
विकसीत करप.

Expected Course Outcome:

**Student Learning
Outcome:**

1. विद्यार्थ्यांक प्रसारमाध्यमांचो आरंभ आनी इतिहासीक फाटभूंय समजतली.
2. आर्विल्ल्या प्रसारमाध्यमांची शास्त्रीय अभ्यासणी विद्यार्थी करतले.

3. आर्विल्ल्या

प्रसारमाध्यमांची साबार

आंगां आनी कौशल्ल्यां

विद्यार्थ्यांक कळटलीं

4. कोंकणी प्रसारमाध्यमां

खातीर पत्रकार, निवेदक,

पटकथा लेखक, बातमी

सांगपी आदी तयार जातले.

Month	Lecture From	Lecture To	No. of lectures allotted	Topic, Subtopic to be covered	Exercise / Assignment	ICT Tools	Reference books
JANUARY	02/01/23	31/01 /23	19	1.आर्विल्लीं प्रसारमाध्यमां – एक इतिहासीक आनी शास्त्रीय वळख		Power point presentation	<ul style="list-style-type: none"> 1. कप्तान, संजय. जनसंपर्क. पुणे : डायमंड प्रकाशन, 2009. 2. दळवी, जयमती(अनुवादक). भारतातील प्रसारमाध्यमे काल आणि आज. पुणे: डायमंड प्रकाशन, 2008. 3. पिंगळे, किरण (संपादक). संवाद कौशल्ये आणि प्रसारमाध्यमे. जुन्नेर पुणे: शब्दश्री प्रकाशन, 2015 4. भावे, भुषण; वजरीकार, प्रकाश; पर्यंकार प्रकाश. कारबारी

		<p>अ.प्रसारमा ध्यमां – संकल्पना आनी स्वरूप आ.प्रसारमा ध्यमांचो आरंभ – संवसारांत आनी भारतांत इ.प्रसारमा ध्यमांची समाजीक गरज ई.प्रसारमा ध्यमांचे विंगड विंगड प्रकार – एक वळख</p> <p>2.कोंकणी</p>	<p>कोंकणी: पणजी गोंय: राजहंस प्रकाशन, 2013.</p> <p>5. Ludlow, Ron. <i>The Essence of Effective Communication</i>. New Delhi: Prentice Production, 1995.</p> <p>6. Mohan, K.; Banerji, M. <i>Developing Communication Skills</i>. New Delhi: Macmillan India, 2005.</p> <p>7. http://www.daijiworld.com/news/news_disp.asp?n_id=59256&n_tit=Panaji%3A+Konkani+Cinema</p>
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				छापील प्रसारमाध्य मांचो इतिहास अ.कॉकणी नेमाळ्यांचो इतिहास आ.कॉकणी दिसाळ्यांचो इतिहास		
FEBRUARY	01/02/23	28/02 /23	16	3.कॉकणी इलॅक्टॉनीक प्रसारमाध्य मांचो इतिहास अ.रेडिओ आ.एफ. एम.	Power point presentation	

				इ.टी. वी. चॅनल 4.छापील आनी इलेक्ट्रोनीक प्रसारमाध्य मां खातीर लेखन- कौशल्ल्यां छापील प्रसारमाध्या मां खातीर लेखन कौशल्ल्यां -बातमी आनी मुखेल स्टोरी बरोवपाचीं कौशल्ल्यां		
MARCH	01/03/23	29/0 3/23	14	4.छापील	Power point	

			आनी इलैक्ट्रोनीक प्रसारमाध्य मां खातीर लेखन- कौशल्ल्यां छापील प्रसारमाध्या मां खातीर लेखन कौशल्ल्यां - लेख बरोवपाचीं कौशल्ल्यां - मुलाखत लेखन कौशल्ल्यां - नभोनाट्य लेखन कौशल्ल्यां	presen tation	
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APRIL	03/04/23	19/0 4/23	12	5.इलॅक्ट्रोनी क प्रसारमाध्य मां खातीर लेखन- कौशल्ल्यां - निवेदन लेखन कौशल्ल्यां - बातम्यो लेखन आनी संपादन कौशल्ल्यां - मुलाखती खातीर प्रस्तु तयार करपाचीं कौशल्ल्यां - जायरातीं लेखन कौशल्ल्यां.	Power point presen tation
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*** Assessment Rubrics**

Component	Max Marks
CA 1(ASSIGNMENT)	20
CA 2 (POWERPOINT PRESENTATION)	20
CA 3(WRITTEN)	20
ACTIVITIES	10
Semester End Exam	30

Basic Course in Psychology I

- References:
1. Baron, R. A. & Misra, G. (2014). Psychology: Indian Subcontinent Edition (5th ed.). Pearson
 2. Baron, R.A. (2001). Psychology (1st Ed). Pearson Education
 3. Ciccarelli, S. K. & White, J. N. (2018). Psychology (5th ed.). Pearson India Education Services Pvt Ltd.
 4. Feldman, R. S. (2017). Understanding Psychology (12th ed.). McGraw Hill Education
 5. Lahey, B.B. (2012). Psychology: An Introduction (11th Ed.). Tata Mc Graw Hill Publishing Company Limited.
 6. Sanrock, J.W. (2005). Psychology Essentials (2nd ed.). Tata Mc Graw Hill Publishing Company Limited.
 7. Smith, E.S., Nolen-Hoeksema, S., Fredrickson, B., & Loftus, G.R. (2006). Atkinson & Hilgards's Introduction to Psychology (14th Ed.- 4th Reprint). Thomson Business Information India Pvt. Ltd.

Lec no	Topic	References
	Unit I: Introduction and Biological Foundation	5
1	Introduction to the course	5
2	Psychology - definition and goals	5
3	Founding the Science of Psychology	5
4	Contemporary perspectives and specialty areas in psychology	5
5	What we know about human behavior: Some starting places	5
6	Explaining CA 1 guidelines	
7	Characteristics of the nervous system	5
8	Divisions of the nervous system	5
9	Central Nervous System	5
10	Peripheral Nervous System	5
11	Structures and functions of the brain	5
12	Forebrain: Cognition, motivation, emotion and action	5
	Endocrine system and its impact on behaviour	5
13	Questions on Unit 1	
	Unit II: Motivation	
14	Approaches to motivation	4
15	Approaches to motivation	4
16	Approaches to motivation	4, 3
17	Approaches to motivation	5
18	Biological motives - Hunger	5,1,2
19	Biological motives - Thirst	5,1,2
20	Biological motives - Sex	5,1,2
21	Biological motives - Other motives	5,1,2
22	Biological motives - Other motives	5,1,2
23	Psychological motives	5,1,2
24	Need for stimulation	5,1,2

25	Need for affiliation	5,1,2
26	Need for achievement	5,1,2
27	Aggression	5,1,2
28	Need for Competence, Power: In brief	5,1,2
29	Explaining CA 2 guidelines	
30	Questions on Unit 2	
	Unit III: Emotions	
31	The physiology of emotion	3
32	The behaviour of emotion: emotional expression	3
33	Subjective experience: labeling emotion	3
34	Early Theories of Emotions	3
35	Cognitive Theories of Emotion	3
36	Cognitive arousal theory	3
37	Cognitive mediational theory	3
38	Role of learning and culture in emotions	1
39	Explaining CA 3 guidelines	
40	The functions of emotions	3
41	Emotional Intelligence	2
42	Major components of emotional intelligence	2
43	EI: Evidence on its existence and effects	2
44	Questions on Unit 3	
45	Explaining SEE pattern	

Gerontology 2022-23		
References		
Lec no	Topic	References
1	Paltasingh, T. and Tyagi, R. (Eds.) (2015) Caring for the elderly, New Delhi, Sage Publications.	
2	Papalia et al. (2004). <i>Human Development</i> (9th ed.). United States: Tata McGraw Hill.	
	Imagining old age: cultural interpretation	
1	Social and cultural variables affecting the process of ageing	1
2	Identifying social and cultural variables specific to the Goan culture -	
3	Time as a relative concept	1
4	Time as a relative concept	1
5	Ageing across cultures	1
6	Changing demography of India	1
7	Discussion of research papers	
8	Discussion of research papers	
9	Introduction of CA 1 - Mythological perspective; Historical perspective; and Contemporary perspective on aging	
	Theories and concepts of gerontology	
10	Case analysis (Pre CA)	1
11	Biological theories	1
12	Psychological theories	1
13	Psychological theories	1
14	Presentation of CA 1	1
15	Presentation of CA 1	1
16	Presentation of CA 1	1
17	Sociological theories and social gerontology	1
18	Disengagement theory	1
19	Activity theory	1
20	Continuity theory	1
21	Exchange theory	
22	Modernization theory	
23	Social theories: a critical analysis	
24	Recent development in social gerontology	
	Issues in old age	
25	Physical and mental health	2
26	Physical and mental health	2
27	Physical and mental health	2
28	Cognitive development	2
29	Cognitive development	2
30	Cognitive development	2
31	Visit to NGO dealing with mental health and cognitive challenges faced by older persons (equivalent to 05 lecture hours)	
36	Living arrangements	2

37	Living arrangements	2
38	Identifying items for Survey	
39	Visit to Old age home (equivalent to 05 lecture hours)	
44	Death and loss	2
45	Confronting one's own death	2
46	Patterns of grieving	2
47	Patterns of grieving	2
48	Visit to residential complex for older persons (equivalent to 05 lecture hours)	
	Prospective approach to healthy ageing	
53	Epidemiological transition and implications	1
54	Health care and ageing	1
55	Visit to hospital (equivalent to 05 lecture hours)	
60	The future perspective of healthy ageing	1

Lecture Plan		
Name of the college: Parvatibai Chowgule College of Arts and Science (Autonomous), Margao - Goa		
Name of Faculty: Ms. Shalma Mascarenhas	Subject: Zoology	
Paper code: ZOO – III.E-1	Program: SY BSc	Division: -
Academic year: 2021 - 2022	Semester: III	Total Lectures: 15
Course Objectives: <ul style="list-style-type: none"> • To study the endocrine organs of vertebrates. • To understand the underlying principles of hormone functions. • To gain an insight into the current and important issues in endocrinology. 		
Expected Course Outcome: Course Objectives: <ul style="list-style-type: none"> • To study the endocrine organs of vertebrates. • To understand the underlying principles of hormone functions. • To gain an insight into the current and important issues in endocrinology. 		
Student Learning Outcome: Students will be familiar with all the endocrine organs and their functions in body growth, metabolism, reproduction and development.		

Month	Lecture From	Lecture To	No. of lectures allotted	Topic, Subtopic to be covered	Exercise/Assignment	ICT Tools	Reference books
July – August	22/07/22	31/08/22	5	Classification of Hormones Hormone structure Biological actions of hormones	Assignment, Gobbet, PBL, MCQ	Lecture videos, Lecture PPTs, other resources on Google Classroom	David, N.O. and J.A. Carr (2013) Vertebrate Endocrinology. Academic press publications 5th edition. Hadley, M. and Levine, J (2006) Endocrinology. Benjamin Cummings 6th edition.
Sept	06/09/22	30/09/22	5	Biological actions of hormones Mechanisms of hormone action			Kovacs, J.W. and S.R. Ojeda (2011) Textbook of endocrine physiology 6th edition. Oxford university press.
Oct	1/10/22	31/10/22	4	Steroid and peptide hormones actions Hormones and Homeostasis- Calcium and Glucose			Yadav, P.R. (2004) Endocrinology. Discovery Publishing House, New Delhi.
Nov	1/11/22	10/11/22	1	Receptor and its regulation			

*** Assessment**

Rubrics

Component	Max Marks
ISA 1	30
ISA 2	30
Practical	25
Project	
Semester End Exam	45

SEMESTER LECTURE PLAN – CELL AND MOLECULAR BIOLOGY

Name of the College: Parvatibai Chowgule College of Arts & Science (Autonomous), Gogol Margao Goa.

Name of Faculty: Ms. Shalma Mascarenhas **Subject:** Zoology

Course code: ZOO-I.C-2 Cell and Molecular Biology **Program:** FY BSc **Division:** A

Academic year: 2022-2023	Semester: I	Total Lectures: 30 (Module 2+3)
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Course Objectives:

- This course is intended to give a firm and rigorous foundation in the principles of modern molecular and cellular biology.
- It discusses the fundamental processes that enable cells to grow, move and communicate and will cover topics such as cell architecture, cell chemistry, cell division, functions and cell cycle.
- It also focuses on informing students about current molecular biological techniques that are used to study cell biology.
- Laboratory work will focus both on exercises that help illustrate cellular phenomena, as well as on the introduction of techniques and procedures commonly utilized in modern cell and molecular biology research.

Course Learning Outcome:

Upon successful completion of the course, students will be able to:

1. CO1: Have an understanding of cell, its organelles and their function.
2. CO2: Demonstrate deeper understanding of what life is and how it functions at cellular level.
3. CO3: Contrast cellular membrane structure and function, fine structure and function of cell organelles.
4. CO4: Perform a variety of molecular and cellular biology techniques.

Month	Lecture From	Lecture To	No. of lectures allotted	Topic, Subtopic to be covered	Exercise/Assignment	ICT Tools	Reference books
July-August	25/07/2022	31/07/2022	09	Lec 1: Introduction to cell organelles Lec 2: lipid bilayer – composition and structural organization Lec 3: membrane proteins-structure and function Lec 4: membrane proteins - types Lec 5: membrane lipids in cell membrane Lec 6: Plasma membrane –	Test your Learning Activity on Google classroom (MCQ, Worksheets)	Google Classroom: Quadrant 1: lec video Quadrant 2: Lec PPTs., Links Lecture to recent discoveries , E-books, Concept Videos, Quadrant 3: Activities (MCQ, Critical thinking, Test your learning activities). Quadrant 4: Guidelines of Assessment, Rubrics of Assessments.	1) Alberts B, Hopkins, Lewis J, Raff M, Roberts K, Walter P (2014): Essential Cell Biology, Fourth Edition, Graland Science Taylor & Francis Group, UK. 2) Lodish H, Berk A, Kaiser CA, Krieger M, Scott MP, Anthony, Bretscher A, Amon A. Scott MP (2013): Molecular Cell Biology, Seventh Edition, W. H. Freeman and Company New York. Supplementary Reading:

				Molecular structure and function Lec 7: cell matrix – physical nature and properties Lec 8: Nucleus – ultra structure and function Lec 9: Mitochondria - structure	+Gobbet Test your Learning Activity on Google classroom	Quadrant 1: lec video Quadrant 2: Lec PPTs., Links Lecture to recent discoveries , E-books, Concept Videos, Quadrant 3: Activities (MCQ, Critical thinking, Test your learning activities). Quadrant 4: Guidelines of Assessment, Rubrics of Assessments.	Raff M, Robertis K, Walter P (2014): Essential Cell Biology, Fourth Edition, Graland Science Taylor & Francis Group, UK. 2) Lodish H, Berk A, Kaiser CA, Krieger M, Scott MP, Anthony, Bretscher A, Amon A, Scott MP (2013): Molecular Cell Biology, Seventh Edition, W. H. Freeman and Company New York.
September	01/9/2022	30/9/2022	08	Lec 10: Mitochondria - functions Lec 11: Endoplasmic reticulum – ultra structure, modifications, functions Lec 12: Golgi complex – structure and function Lec 13: ribosomes – structure and function Lec 14: microsomes – lysosome, microbodies Lec 15: cytoskeleton – microtubules. Microfilaments, intermediate filaments Lec 16 : principle of transmembrane transport – transporters and channels Lec 17: active and passive transport , osmosis	CA2 – Problem based Learning + MCQ Test your Learning Activity on Google classroom		
October	1/10/22	31/10/22	09	Lec 18: transporters and their functions - passive transporters, pumps Lec 19: ransporters and their functions - passive transporters, pumps Lec 20: ion channels activities Lec 21: Ion channels activities Lec 22: regulation of ion channels Lec 23: protein transport into organelles Lec 24: protein transport into organelles Lec 25: vesicular transport – transport of soluble proteins,	Google Classroom: Quadrant 1: lec video Quadrant 2: Lec PPTs., Links Lecture to recent discoveries , E-books, Concept Videos, Quadrant 3: Activities (MCQ, Critical thinking, Test your learning activities). Quadrant 4: Guidelines of Assessment, Rubrics of Assessments.	Semester End Examination	1) Alberts B, Hopkins, Lewis J, Raff M, Robertis K, Walter P (2014): Essential Cell Biology, Fourth Edition, Graland Science Taylor & Francis Group, UK. 2) Lodish H, Berk A, Kaiser CA, Krieger M, Scott MP, Anthony, Bretscher A, Amon A, Scott MP (2013): Molecular Cell Biology, Seventh Edition, W. H. Freeman and Company New York. 3)Verma PS and Agarwal VK (2007): Cell Biology Genetics Molecular Biology Evolution & Ecology. S Chand and Company PVT LTD, New Delhi. 4) Gupta PK (2003): Cell and Molecular Biology, Second Edition, Rakesh Kumar Rastogi for Rastogi Publications, Meerut, New Delhi, India.

				vesicle budding	
				Lec 26: vesicular transport – vesicle docking, endocytic pathways	
				Lec 27: General principles of cell signalling – G protein coupled receptors	
				Lec 28: General principles of cell signalling – G protein coupled receptors	
				Lec 29:General principles of cell signalling – enzyme coupled receptors	
November	1/11/22	10/11/22	04	Lec 30: revision	

* Assessment Rubrics

Component	Max Marks
CA 1	15
CA 2	15
Practical	25
Semester End Exam	45
Total	100

- 1) Alberts B, Hopkins, Lewis J, Raff M, Robertis K, Walter P (2014): *Essential Cell Biology, Fourth Edition*, Graland Science Taylor & Francis Group, UK.
- 2) Lodish H, Berk A, Kaiser CA, Krieger M, Scott MP, Anthony, Bretscher A, Amon A. Scott MP (2013): *Molecular Cell Biology, Seventh Edition*, W. H. Freeman and Company New York.

Supplementary Reading:

- 3) Gupta PK (2003): *Cell and Molecular Biology, Second Edition*, Rakesh Kumar Rastogi for Rastogi Publications, Meerut, New Delhi, India.
- 4) Verma PS and Agarwal VK (2007): *Cell Biology Genetics Molecular Biology Evolution & Ecology*. S Chand and Company PVT LTD, New Delhi.