



MES GARWARE COLLEGE OF COMMERCE (AUTONOMOUS)

BBA-DI Programme (Autonomous)

Under the Guidelines of NEP 2020 and AICT

AY 2024-25

FY BBA (Design & Innovation) – Semester – I		
Course Code: 23BD1-A011	Subject: Observations and Scratch Book	Marks: 100 Credits: 4
<p>Course Objectives:</p> <ul style="list-style-type: none"> • To learn how to observe and collect information from surroundings. Getting sensitized for situations and collect information. Express through visuals 		
<p>Course Outcome:</p> <p>After completing the course, the student shall be able to</p> <p>CO1: Improve data compilation skills.</p> <p>CO2: Minute observation and correlation</p> <p>CO3: Improved visual expression</p>		

Unit	Unit Title	Contents	No of Lectures
I	Observations	1.1 Knowledge gathering through Observation and visualization. 1.2 Visual mapping.	14
II	Data collection	2.1 Knowledge gathering, 2.2 Organising information, 2.3 Micro observations, 2.4 Concept mapping, 2.5 Convergent & divergent thinking	12
III	Doodle sketches	3.1 Perspective, 3.2 Line drawings, 3.3 Projected views, 3.4 Thumbnail sketching	12
IV	Renderings	4.1 Colouring, 4.2 Exploded views, 4.3 Shading realistic rendering	12
Total No. of Lectures + Evaluation (50+10)		=	60

Suggested Reading Material:

- 1.Koos Eissen and Roselien Steur , Sketching Drawing Techniques for Product Designer, BIS Publishers
- 2.Mark Baskinger & William Bardel, Drawing Ideas- A hand drawn approach for better Design.

Unit	Unit Title	Suggestive teaching methodology	Practical	Outcome expected		Weightage of Marks (%)
				Conceptual understanding	Knowledge/Skills/Attributes etc.	
I	Observations	Lecture - Demonstration and Practical Implementation at all places	During Workshops	To gather knowledge through observation	To apprehend, draw inferences and learn to apply.	25%
II	Data collection			To gather knowledge through data collection		25%
III	Doodle Sketches			To gather knowledge through Doodle Sketches		25%
IV	Renderings			To gather knowledge through Renderings.		25%

Evaluation Method:

Unit	Evaluation Method	Marks (100)			Project/Practical (If any)
		Formative Assessment		Summative Assessment	
		CCE I (20)	CCE II (20)	SEMESTER (60)	
1	Assignment, Test and Project Work	Assignment	Examination	Project Work	Project Work
2					
3					
4					

FY BBA (Design & Innovation) – Semester – I		
Course Code: 23BD1-A021	Subject: Fundamentals of Simple Tools Theory	Marks: 50 Credits:2
<p>Course Objectives:</p> <ul style="list-style-type: none"> • To learn various mechanisms used in day-to-day product objects - how things work 		
<p>Course Outcome:</p> <p>After completing the course, the student shall be able to</p> <p>CO1: Use appropriate mechanisms</p> <p>CO2: Better understanding of moving objects</p> <p>CO3: Improved curiosity about manmade objects</p>		

Unit	Unit Title	Contents	No of Lectures
I	Mechanisms - Introduction	1.1. Importance and relevance with product innovation	5
II	Principles	2.1. Efficiency, 2.2. Mechanical advantage, 2.3. Velocity ration, science	5
III	Various mechanisms	3.1. Inclined plane, 3.2. Pulley, 3.3. Screw motion,	5
IV	Various mechanisms	4.1. Levers, 4.2. Linkages, 4.3. Special motions, 4.4. Cams	5
V	Various mechanisms	5.1. Gears, 5.2. Pulleys, 5.3. Belts, 5.4. Clutches, 5.5. Latches,	5
Total No. of Lectures + Evaluation (25+5)		=	30

Suggested Reading

1. Mechanisms and mechanical devices Sourcebook, McGraw-Hill Publications

Unit	Unit Title	Suggestive teaching methodology	Practical	Outcome expected		Weightage of Marks (%)
				Conceptual understanding Knowledge/Skills/Attributes etc.		
I	Mechanisms Introduction	Lecture - Demonstration and Practical Implementation at all places	During Workshops + Industry Visits	To gather knowledge about Mechanisms	To apprehend, draw inferences and learn to apply.	20%
II	Principles			To Understand Principles behind Mechanisms		20%
III	Various Mechanisms			To understand functioning of various mechanisms and explore its use.		20%
IV						20%
V						20%

Evaluation Method:

Unit	Evaluation Method	Marks (100)			Project/Practical (If any)
		Formative Assessment		Summative Assessment	
		CCE I (20)	CCE II (20)	SEMESTER (60)	
1	Assignment, Test and Project Work	Assignment	Examination	Project Work	Project Work
2					
3					
4					
5					

FY BBA (Design & Innovation) – Semester – I		
Course Code: 23BD1-C021	Subject: Fundamentals of Simple Tools Practical	Marks: 50 Credits: 2
<p>Course Objectives:</p> <ul style="list-style-type: none"> • To acquire hands on experience of creating and operating a mechanism. 		
<p>Course Outcome:</p> <p>After completing the course, the student shall be able to</p> <p>C01: To be able to create simple prototypes of mechanisms</p>		

Unit	Unit Title	Contents	No of Practical
I	Mechanisms - Introduction	1.2. Importance and relevance with product innovation	5
II	Principles	2.1. Efficiency, 2.2. Mechanical advantage, 2.3. Velocity ration, science	5
III	Various mechanisms	3.1. Inclined plane, 3.2. Pulley, 3.3. Screw motion,	5
IV	Various mechanisms	4.1. Levers, 4.2. Linkages, 4.3. Special motions, 4.4. Cams	5
V	Various mechanisms	5.1. Gears, 5.2. Pulleys, 5.3. Belts, 5.4. Clutches, 5.5. Latches,	5
Total No. of Practical+ Evaluation (25+5) =			30

Suggested Reading

2. Mechanisms and mechanical devices Sourcebook, McGraw-Hill Publications

Unit	Unit Title	Suggestive teaching methodology	Practical	Outcome expected		Weightage of Marks (%)
				Conceptual understanding	Knowledge/Skills/Attributes etc.	
I	Mechanisms Introduction	Lecture - Demonstration and Practical Implementation at all places	During Workshops + Industry Visits	To gather knowledge about Mechanisms	To apprehend, draw inferences and learn to apply.	20%
II	Principles			To Understand Principles behind Mechanisms		20%
III	Various Mechanisms			To understand functioning of various mechanisms and explore its use.		20%
IV						20%
V						20%

Evaluation Method:

Unit	Evaluation Method	Marks (100)			Project/Practical (If any)
		Formative Assessment		Summative Assessment	
		CCE I (20)	CCE II (20)	SEMESTER (60)	
1	Assignment, Test and Project Work	Assignment	Examination	Project Work	Project Work
2					
3					
4					
5					

FY BBA Design and Innovations Semester I			
Course Code: 23BD1-D031	Course: Ancient Indian Textile Industry		Marks: 50 Credits: 2
Course Objectives:			
<ol style="list-style-type: none"> 1. To impart the information about the evolution of the ancient Indian textile industry and provide exposure to the students about the economic strength of Indian economy in the past gained from the manufacturing of textile and its exports. 2. To Acquaint students with the knowledge of sourcing of raw material and various textile art forms in various regions ancient India. 			
Course Outcome:			
After completing the course, the student shall be able to			
CO1. Perceive the glory of India as a leading exporter on the front of textile and know the relative importance of Indian textile industry since last number of centuries and will feel proud of about it.			
CO2. Acquaint students with the knowledge of sourcing of raw material and various textile art forms in various regions of ancient India.			
Unit	Unit Title	Contents	No. of lectures
I	Evolution of Indian Textiles Industry	1.1 History of Indian Textile Trade and Exchange in Ancient India. 1.2 Textile Industry in India during: Indus Valley Civilisation 1.3 Vedic and post-Vedic period 1.4 Mauryan periods (Kautilya's Arthashastra) later Mauryan period 1.5 Gupta period 1.6 Later period 1.7 Contribution of Textile Industry in Ancient 1.8 Medieval Indian Economy.	16
2	Study of Ancient Indian Textile	2.1 India as the ancient home of cotton and silk fabrics. 2.2 Major woven fabrics in ancient India 2.3 Major Variety of Textile developed in different parts of India 2.4 Variety of Dye in India	12
Total No of Lectures			28 (60 min)

Total No. of Lectures for Assessment and Evaluation	2
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Teaching methodology

Unit	Unit Title	Teaching methodology	Project /Hands on exposure/ Practice based	Outcome expected	Weightage of Marks (%)
				Conceptual understanding Knowledge/Skills/Attributes etc.	
I	Evolution of Indian Textiles Industry	1. Lecture Method 2. Explanation based on PowerPoint Presentations 3. Video Lectures 4. Quiz	N. A.	1. Perceive the glory of India as a leading exporter on the front of textile and know the relative importance of Indian textile industry since last number of centuries and will feel proud of about it.	50%
2.	Study of Ancient Indian Textile	1. Lecture Method 2. Explanation based on PowerPoint Presentations 3. Video Lectures 4. Objective Questions 5. Quiz	N. A.	2. Acquaint students with the knowledge of sourcing of raw material and various textile art forms in various regions of ancient India.	50%

Suggested Books:

Sr. No.	Title of the Book	Author/s	Publication	Place
1.	Textile Industry in Ancient India - An Analysis (From Maurya Period to 7th Century)	Nidhi Sidharth	Shri Natraj Prakashan	Delhi
2.	Textiles in Ancient India From Indus Valley Civilization to Maurya Period	Kiran Singh	Vishwavidhyalaya Prakashan	Varanasi

3.	History of the Indian Cotton Textile Industry	V. B. Kulkurni	Millowners' Association	
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Suggested Web/E-Learning Resources

Sr. No	Topic of the Lecture	Lectures (Available on Youtube/Swayam/MOCS etc.)	Films	Journals/Articles/Case studies
1.	Ancient Indian Textile Technology	https://youtu.be/xp5GbJ9-t98		
2.	Textiles and Fabrics in Ancient India	https://indianculture.gov.in/node/2730142		
3.	History INDIAN CULTURE	https://indianculture.gov.in/textiles-and-fabrics-of-india/history		
4.	Indian textiles · V&A (vam.ac.uk)	https://www.vam.ac.uk/articles/indian-textiles		
5.	Natural Fiber: Backbone of Indian Textile Industry			https://youtu.be/SShVI-00ZbQ
5	How India transformed Global Fashion			https://youtu.be/RGnPGTkNrj8
6.	Movie: Bunkar: The Last of Varanasi Weavers			https://tubitv.com/movies/650967/bunkar-the-last-of-the-varanasi-weavers

FYBBA Design and Innovation-Semester-I			
Course Code: 23BD1-G041	Subject : Business Organizations and Systems		Marks : 100 Credits : 4
Course Objectives:			
<ol style="list-style-type: none"> 1. To understand concept and evolution of modern business. 2. To study various forms of business organizations. 3. To understand basic legal formalities to start a business enterprise. 4. To understand the application of domestic and international trade in business. 			
Course Outcome :			
After completing the course, the student shall be able to			
CO1: Understand the concept of business, prerequisites for success in business and evolution of business as an economic entity.			
CO2: Understand the significance of different forms of business organizations their types, characteristics, merits and limitations.			
CO3: Know how to search business ideas, how to prepare business feasibility report, how to identify ideal business location and deciding optimal size for a new business unit, identification of capital sources for new business unit and basic documentation required for business enterprise.			
CO4: Understand how a retail trade works in business system, different forms of retail trade and their contribution in the economy and a brief introduction of international trade.			
Unit	Unit Title	Contents	No of Lectures
I	Nature and Evolution of Business	1.1 Concept of business and its characteristics 1.2 Objectives of business and prerequisites for success in business 1.3 Evolution and development of trade, commerce and industry 1.4 Recent Trends in Modern Business i.e. BPO, KPO, entrepreneur & homepreneur and online trading, digital marketing and payment methods	13

II	Forms of Business Organization	2.1 Forms of business organization 2.2 Meaning, characteristics, advantages and limitations of sole proprietorship, partnership firm, limited liability partnership firms, private limited company, public limited company, virtual business organizations, boundary less organizations and one person company (OPC)	13
III	Setting up of a Business Enterprise	3.1 Identification of ideas and opportunities 3.2 Factors to be considered while setting up of business enterprise 3.3 Feasibility report of a business enterprise 3.4 Factors influencing size and location of a business enterprise 3.5 Licensing and basic legal formalities to start a new business enterprise	12
IV	Study of Domestic and Foreign Trade	4.1 Introduction to distribution channels and its levels 4.2 Concept of Domestic Trade- Wholesale trade and Retail trade 4.3 Concept of Foreign Trade- Export, Import and Entrepot 4.4 Export, Import and Entrepot Procedure	12

No of Lectures	50
No of Lectures for Evaluation	10
Total No of Lectures	60

Evaluation Method:

Unit	Internal Evaluation (40 marks)	External Evaluation (60 Marks)
1	Assignment: 20 marks, Internal Exam: 20 marks	Semester end exam
2		
3		
4		

Suggested Readings:

Sr. No.	Title of Book	Author/s	Publication
1	Business Organization and Management	Vijay Kumar Kaul	Pearson
2	Business organization	Dr. Khushpat S. Jain	Himalaya Publishing House
3	Modern Business Organisation and Management – Systems Approach	S.A. Sherlekar , V.s. Sherlekar	Himalaya Publishing House
4	Business Organization	Rajendra P. Maheshwari , J.P. Mahajan	International Book House
5	Business Organisation and management	Neeruvashishtha , namitaRajput	Kitab Mahal
6	New Course in Organization of Commerce	A.N. Rangparia ,Chopde, Negwekar and 8 more	Sheth
7	Students’ guide to Business Organisation	Dr. neeruVasishth	Taxmann
8	Business Organisation and Management	Jagdish Prakash	Kitab Mahal

Suggested Web/E-learning Resources:

SR NO	Topic	Lectures (Available on Youtube/Swayam/MOOCs etc)	Films	Journals/Articles/ Case studies
1	Nature and evolution of business	<ol style="list-style-type: none"> https://www.youtube.com/watch?v=zD5H2yx0coA https://www.youtube.com/watch?v=LNqT91Xpfdk https://www.youtube.com/watch? 		<ol style="list-style-type: none"> https://zenodo.org/record/2515158#YTywQp0zblU https://www.scirp.org/pdf/TI_2017022014144485.pdf

		v=dzPOgdkzZ0M		
2	Forms of Business Organization	<ol style="list-style-type: none"> https://www.youtube.com/watch?v=qfArD8LrxJM https://www.youtube.com/watch?v=2BJEEAjs1hk https://www.youtube.com/watch?v=4Qc9g-Gk4WY 		<ol style="list-style-type: none"> http://ndl.iitkgp.ac.in/document/MD15cHdNUUInd0lnZHNoQXlvOG5IQWFoaFFWdSt4R3lZR2NMcHRkcjZTOD0
3	Setting up of a business enterprise	<ol style="list-style-type: none"> https://www.youtube.com/watch?v=BVTiqBwO0tE https://www.youtube.com/watch?v=q3_1FyYN1Kc 		<ol style="list-style-type: none"> https://www.scirp.org/pdf/CE20122600012_63232659.pdf
4	Study of Domestic and Foreign Trade	<ol style="list-style-type: none"> https://www.youtube.com/watch?v=glkK6Vh90nI https://www.youtube.com/watch?v=-05OINLg_Q8 		<ol style="list-style-type: none"> https://www.scirp.org/pdf/ME_2016051814380068.pdf

FYBBA Semester – I

Course Code : 23BD1-H051	Subject: Fundamentals of Indian Business environment (Practical – Skill development)	Marks: 50 Credits: 2
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Course Objectives:

CO1: To make students aware about the Inflation

CO2: To understand the concept of industrial Growth and problems

Course Outcome:

After completing the course, the student shall be able to

CO1: To gain knowledge about various aspects of Growth

CO2: To know in brief the concept of problems of Growth and encourage to search solutions

Unit	Unit Title	Contents	No. of Lectures
1	Trends and industrial Growth	<ul style="list-style-type: none"> • Inflation • Meaning – Definition of Inflation • Features of Inflationary Economy • Measures of Inflation • Causes of Inflation • Effects and current trends in Inflation • Rural and Urban Inflation • Liberalization 	15
2	Problems of growth	<ul style="list-style-type: none"> • Social injustice- Concept, Effects, Solutions • ,Black Money -Meaning – Sources – Effects- Measures, • Lack of technical knowledge and information-Problems-Remedies • Government initiatives and policies 	15
	Teaching and evaluation		30

Teaching Methodology

Unit No	Suggestive teaching methodology	Outcome expected	Weightage of Marks (%)
		Conceptual understanding Knowledge/Skills/Attributes etc.	
1	Guest lecture and workshop signifying	Conceptual understanding	50%
2	Study of various reports and analysis of industrial policy.	Understanding the problem of growth and -Application of mind to resolve the problem of growth	50%
	<ul style="list-style-type: none"> Students should actively engage with business professionals, ask questions, and gain insights into the challenges and opportunities faced by Indian businesses. After the visits, facilitate discussions and reflections to help students connect their observations to the broader Indian business environment. Current Events Analysis: Assign students the task of following and analyzing current events and news related to the Indian business environment. They can identify recent policy changes, economic developments, industry disruptions, or market trends. In groups or individually, students should present their analysis, highlighting the implications of these events on the Indian business landscape. Encourage critical thinking and open discussions in the classroom. Students will gain insights into India's unique business environment, enabling them to navigate the complexities and leverage opportunities in the Indian market. 		

Evaluation Method:

Unit	Evaluation Method	Marks (50)		
		Formative Assessment		Summative Assessment
		CCE (I) 10	CCE(II) 10	SEMESTER END (30)
1	Power Point presentations, Explain concept	Presentation	Assignment	Short notes 35%and long answers 65%

2	Report on lectures and workshop	Assignment	Charts	Long answers 65%	

Suggested Books:

Sr. No.	Title of the Book	Author/s	Publication	Place
1	Business Environment	K.Aswhappa	Tata McGraw Hill	New Delhi
2	Business Environment		Himalaya Publication	New Delhi
3	Business Environment Fourth Edition	Shaikh Saleem	Pearson	New Delhi

Suggested Web/E-Learning Resources

Sr. No.	Topic of the course	Lectures (Available on Youtube/Swayam/MOOCs etc.)	Link	Journals/Articles/Case studies
1	Unit 1	Government of India - Ministry of Commerce and Industry:	https://commerce.gov.in/	

FYBBA D&I Semester-I		
Course Code: 23BD1-I061	Subject : English for Business Communication	Marks : 50 Credits : 2
Course Objectives :		
<ol style="list-style-type: none"> 1. To understand the English grammar and writing skills. 2. To understand the basic theories of professional communication skills. 		
Course Outcome :		
After completing the course, the student shall be able to		
CO1: Demonstrate basic knowledge of English grammar and writing skills		
CO2: Understand the basic theories of professional communication skills		
Unit	Unit Title	Contents
I	Basic English Grammar & writing skills	1.1 Active and Passive voice, tenses 1.2 Identifying nouns, adjectives, adverbs, pronouns, punctuations 1.3 Comprehension skills and paraphrasing 1.4. Concept, need and functions of writing skills like Business Correspondence 1.5 Essentials of Business Letter 1.6 Types of Business letters 1.7 Layout/Drafting of business letter. 1.8 Business Correspondence: Enquiry Letter, Reply to enquiry, Purchase Order, Credit & Status enquiry letter, Sales Letter, Complaint letter, promotional letter, leave application and resignation letters 1.9 Report Writing and Internal Correspondence: Report- Meaning, Need & Importance, Types.

		1.10 Notices, memos, circulars, Blog writing.
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II	Introduction to Professional Communication Skills and their methods	<p>2.1 Communication - meaning, importance, communication process model</p> <p>2.2 Verbal Communication, Non-verbal Communication, Formal Communication, Informal Communication.</p> <p>2.3 Oral communication- Objectives, Functions, Advantages and Disadvantages. Types of Oral Communication</p> <p>2.4 Written communication, Forms of written communication. Qualities, difficulties in written communication, Constraints in developing effective written communication.</p> <p>2.5 Non-Verbal Communication- Objectives, Functions, Advantages and Disadvantages. Forms of Non-Verbal Communication</p>
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Unit	Unit Title	Teaching methodology	Project (If any)	Outcome expected- Conceptual understanding Knowledge/Skills/Attributes etc.		Weightage of Marks (%)
				Course Outcome (CO)	Learning Outcome (LO)	
1	Basic English Grammar & writing Skills	PPT, Discussion, Grammar sheets, quiz	-	Students will understand the basic Grammar and writing skills	➤ Conceptual understanding, reflective skills	60%
2	Introduction to Professional Communication Skills and their methods	PPT, Discussion, Video clips, poster making	-	Students will be able to understand the basic Professional Communication Skills and their methods	➤ Conceptual skills, reflective learning	40%

Unit	Evaluation Method	Marks (100)			Project/Practical (If any)
		Formative Assessment		Summative Assessment	
		CCE I (10)	CCE II (10)	SEMESTER (30)	

I	Grammar test	5 M			-
III	Home Assignments	5 M			-
IV	Descriptive Paper	-	10 M	30 M	-

Suggested Readings:

Sr. No	Title of Book	Author/s	Publication
1	Business Communication	Meenakshi Raman , Prakash Singh	Oxford
2	Business Communication	HomaiPradhan , N.S. Pradhan	Himalaya
3	Business Communication	R.K. Madhukar	Vikas
4	Business Communication and personality Development	BiswajitDas .ipswwtaSatpathy	Excel Books
5	Technical Communication – Principles and Practice		Oxford University Press
6	English Grammar in Use	Raymond Murphy	

Suggested Web/E learning Resources:

SR NO	Topic	Lectures (Available on Youtube/Swayam/MOOCs etc)	Films	Journals/Articles/ Case studies
1.	Basic English Grammar and writing skills	<p>1. https://onlinecourses.nptel.ac.in/noc20hs19/preview</p> <p>2. https://nptel.ac.in/courses/109106129</p> <p>3. https://www.youtube.com/watch?</p>		

		v=6NADEfJ OVNo		
2.	Introduction to Professional Communication Skills	<ol style="list-style-type: none"> 1. https://www.youtube.com/watch?v=DLpINabdbRI 2. https://www.youtube.com/watch?v=Mqvg2vLfbgg 3. https://www.youtube.com/watch?v=gFNQ-aZIakM 4. https://www.youtube.com/watch? 		<ol style="list-style-type: none"> 1. http://ndl.iitkgp.ac.in/document/MD15cHdNUUInd0lnZHNoQXlvOG5IUENRNG5vb25FV0xOK2VrYVBKTXpYWT0

		v=glnMChrjU_8 5. https://www.youtube.com/watch?v=2nJAiNgTzKM 6. https://www.youtube.com/watch?v=0bepN-VKRE		
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Environment Awareness Part-I

F. Y. BBA			
Course Code: 23BD1-J071	Subject : Environment Awareness Part-I		Marks : 50 Credits :2
<p>Course Objectives :</p> <ol style="list-style-type: none"> 1. To acquire the knowledge, values, attitudes, commitment and practices needed to protect and improve the environment and better ecosystem 2. To build knowledge among students regarding utilization of various natural resources. 3. To make students conscious on necessary bio-diversity and ecological conservations and to address complex environmental issues 4. To create awareness about various causes of environmental pollution and its remedies. 5. To study the impacts of human communities on environment 			
<p>Course Outcome :</p> <p>After completing the course, the student shall be able to</p> <p>CO1: Understand how their actions affect on the environment hence how to build better ecosystem</p> <p>CO2: Build knowledge and implement necessary practices for utilization of various natural resources</p> <p>CO3: Motivate to implement various practices of Bio-diversity and to preserve Ecological Conservations of complex environmental issues.</p> <p>CO4: Know various causes of Environmental Pollution and its remedies.</p> <p>CO5: Study The impacts of Human Communities On Environment.</p> <p>Syllabus Content:</p>			
Unit	Unit Title	Contents	No of Lectures

I	Introduction To Environmental Studies and Ecosystem	<p>1.1 Multidisciplinary nature of environmental studies</p> <p>1.2 Scope and importance; Concept of sustainability and sustainable development</p> <p>1.3 Meaning of Ecosystem</p> <p>1.4 Structure and functions of Ecosystem</p> <p>1.5 Energy flow in an Ecosystem: Food Chains, Food Webs and Ecological Succession.</p>	4
II	Natural Resources : Renewable and Non-renewable Resources	<p>2.1 Land resources and Over utilization of land</p> <p>2.2 Land degradation, Soil Erosion and Desertification</p> <p>2.3 Deforestation: Causes And Impacts Due to Mining, Dam Building On Environment, Forests, Biodiversity And Tribal Populations</p> <p>2.4 Water: Use And Over-Exploitation of Surface and Ground Water, Floods, Droughts Conflicts Over Water (International & Inter-State)</p> <p>2.5 Energy Resources : Renewable And Non Renewable Energy Sources, Use Of Alternate Energy Sources, Growing Energy Needs, Case Studies</p>	5
III	Biodiversity and Conservation	<p>3.1 Levels Of Biological Diversity : Genetic, Species And Ecosystem Diversity</p> <p>3.2 Biogeography Zones of India; Biodiversity Patterns And Global Biodiversity Hot Spots</p> <p>3.3 India as a Mega-Biodiversity Nation; Endangered and Endemic Species of India</p> <p>3.4 Threats To Biodiversity: Habitat Loss, Poaching Of Wildlife, Man-Wildlife Conflicts, Biological Invasions; Conservation Of Biodiversity: In-Situ And Ex-Situ Conservation Of Biodiversity.</p> <p>3.5 Ecosystem and Biodiversity Services: Ecological, Economic, Social, Ethical, Aesthetic and Informational Value.</p>	6

IV	Environmental Pollution	4.1 Environmental Pollution : Types, Causes, Effects and Controls; Air, Water, Soil And Noise Pollution 4.2 Nuclear Hazards and Human Health Risks 4.3 Solid Waste Management : Control Measures Of Urban And Industrial Waste 4.4 Climate Change, Global Warming, Ozone Layer Depletion, Acid Rain And Impacts On Human Communities And Agriculture	4
V	Human Communities and the Environment	5.1 Human Population Growth: Impacts On Environment, Human Health and Welfare 5.2 Resettlement And Rehabilitation of Project Affected Persons; Case Studies 5.3 Disaster Management : Floods, Earthquake, Cyclones And Landslides 5.4 Environmental Ethics: Role Of Indian and Other Religions and Cultures In Environmental Conservation 5.5 Environmental Movements : Chipko, Silent Valley, Bishnois of Rajasthan 5.6 Environmental Communication and Public Awareness, Case Studies (eg. CNG Vehicles In Delhi) 5.7 Environmental Ethics: Role of Indian And Other Religions And Cultures In Environmental Conservation	6
No of Hours			25(60 mins)
Evaluation			05
Total No of Lectures			30

Teaching Methodology:

Unit	Unit Title	Teaching methodology	Project (If any)	Outcome expected	Weightage of Marks (%)
				Conceptual understanding Knowledge/Skills/Attributes etc	
I	Introduction to environmental studies and Ecosystem	Presentations, Lectures series , Video Clips	NA	The student shall be able to understand how their decisions and actions affect on the environment	15%
II	Natural Resources : Renewable and Non-renewable Resources	Presentations, Lectures series , Video Clips	NA	Students will be able to develop Consciousness about the Eco-system	20%
III	Biodiversity and Conservation	Presentations, Lectures series , Video Clips	NA	Students will able to build knowledge on biodiversity and conservation	25%
IV	Environmental Pollution	Presentations, Lectures series , Video Clips	NA	Students will be able to understand causes of Environmental Pollution and its remedies	15%
V	Human Communities And The Environment	Presentations, Lectures series , Video Clips	NA	Students will understand the Environment Ethics	25%

Evaluation Method:

Unit	Evaluation Method	Marks (100)			Project/Practical (If any)
		Formative Assessment		Summative Assessment	
		CCE I (25)	CCE II (25)	SEMESTER	
1	Assignment and Quiz	Assignment	Written Exam		
2	Assignment and Quiz	Assignment	Written Exam		
3	Assignment and Quiz	Assignment	Written Exam		
4	Assignment and Quiz	Assignment	Written Exam		
5	Assignment and Quiz	Assignment	Written Exam		

Suggested Readings:

Sr. No.	Name of Book	Author	Publication	Edition	Place
1	Silent Spring	Carson R			
2	This Fissured Land: An Ecological History of India.	Gadgil, M			
3	Global Ethics and Environment	Gleeson B.			