Course Code: 23BD1-A021 Subject: Fundamentals of Simple Tools Theory		Marks: 50 Credits:2	
Course Objectiv	/es:		
<ul> <li>To learn varie</li> </ul>	ous mechanisms used in day-to-day product objects - how th	ings work	
• To learn vario	ous mechanisms used in day-to-day product objects - how th	iings work	
• To learn varie Course Outcome:	ous mechanisms used in day-to-day product objects - how th	ings work	
Course Outcome:	ous mechanisms used in day-to-day product objects - how th course, the student shall be able to	ings work	
<b>Course Outcome:</b> After completing the	course, the student shall be able to	ings work	
<b>Course Outcome:</b> After completing the CO1: Use appropria	course, the student shall be able to	ings work	

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

# Suggested Reading

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

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

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

FY BBA (Design & Innovation) – Semester – I				
Course Code: 23BD1-C021	Marks: 50 Credits: 2			
Course Objectiv	/es:			
• To acquir	e hands on experience of creating and operating a mechanis	m.		
<u> </u>				
Course Outcome:				
After completing the	course, the student shall be able to			
C01: To be able to	create simple prototypes of mechanisms			

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

# **Suggested Reading**

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

Unit	Unit Title	Suggestive teaching methodology	Practical	Outcome expected Conceptual understandin Knowledge/Skills/Attribu		Wei ghta ge of Mar ks (%)
Ι	Mechanisms Introduction			To gather knowledge about Mechanisms		20%
Π	Principles	Lecture -	During	To Understand Principles behind Mechanisms	To apprehend,	20%
III		Demonstration and Practical Implementation at all places	Workshops + Industry Visits	To understand functioning	draw inferences and learn to apply.	20%
IV	Various Mechanisms			of various mechanisms and explore its use.		20%
V						20%

Unit	<b>Evaluation Method</b>	Formative Assessment		Summative Assessment	Project/Practical (If any)	
		CCE I (20)	CCE II (20)	SEMESTER (60)		
$ \begin{array}{r} 1\\ 2\\ 3\\ 4\\ 5 \end{array} $	Assignment, Test and Project Work	Assignment	Examination	Project Work	Project Work	

#### FY BBA Design and Innovations Semester I

#### **Course Objectives:**

- 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 Aquent 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.** Aquent 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	<ul> <li>1.1 History of Indian Textile Trade and Exchange in Ancient India.</li> <li>1.2 Textile Industry in India during: Indus Valley Civilisation</li> <li>1.3 Vedic and post-Vedic period</li> <li>1.4 Mauryan periods (Kautilya's Arthashatra) later Mauryan period</li> <li>1.5 Gupta period</li> <li>1.6 Later period</li> <li>1.7 Contribution of Textile Industry in Ancient</li> <li>1.8 Medieval Indian Economy.</li> </ul>	16
2	Study of Ancient Indian Textile	<ul> <li>2.1 India as the ancient home of cotton and silk fabrics.</li> <li>2.2 Major woven fabrics in ancient India</li> <li>2.3 Major Variety of Textile developed in different parts of India</li> <li>2.4 Variety of Dye in India</li> </ul>	12
Total N	o of Lectures	1	28 (60 min)

# **Teaching methodology**

Unit	Unit Title	Teaching methodology	Project /Hands on exposure/ Practice	Outcome expected Conceptual understanding Knowledge/Skills/Attributes etc.	Weigh tage of Marks (%)
I	Evolution of Indian Textiles Industry	<ol> <li>Lecture Method</li> <li>Explanation based on PowerPoint Presentations</li> <li>Video Lectures</li> <li>Quiz</li> </ol>	based N. A.	<ol> <li>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.</li> </ol>	50%
2.	Study of Ancient Indian Textile	<ol> <li>Lecture Method</li> <li>Explanation based on PowerPoint Presentations</li> <li>Video Lectures</li> <li>Objective Questions</li> <li>Quiz</li> </ol>	N. A	2. Aquent 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

	History of the Indian Cotton Textile Industry	V. B. Kulkurni	Millowners' Association	
3.				

# Suggested Web/E-Learning Resources

Sr. No	Topic of the Lecture	Lectures (Available on Youtube/Swayam/M OOCS etc.)	Films	Journals/Articles/ Case studies
1.	Ancient Indian Textile Technology	https://youtu.be/xp5G bJ9-t98		
2.	Textiles and Fabrics in Ancient India	https://indianculture.g ov.in/node/2730142		
3.	History   INDIAN CULTURE	https://indianculture.g ov.in/textiles-and- fabrics-of- india/history		
4.	Indian textiles · V&A (vam.ac.uk)	https://www.vam.ac.u k/articles/indian- textiles		
5.	Natural Fiber: Backbone of Indian Textile Industry			https://youtu.be/SSh V1-O0ZbQ
5	How India transformed Global Fashion			https://youtu.be/RGn PGTkNrj8
6.	Movie: Bunkar: The Last of Varanasi Weavers			https://tubitv.com/m ovies/650967/bunkar -the-last-of-the- varanasi-weavers

## FYBBA Design and Innovation-Semester-I

Course	Subject : Business Organizations and Systems	Marks : 100
Code:		Creadita . A
23BD1-		Credits : 4
G041		

#### **Course Objectives:**

- 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	<ul> <li>1.1 Concept of business and its characteristics</li> <li>1.2 Objectives of business and prerequisites for success in business</li> <li>1.3 Evolution and development of trade, commerce and industry</li> <li>1.4 Recent Trends in Modern Business i.e. BPO, KPO, entrepreneur &amp; homepreneur and online trading, digital marketing and payment methods</li> </ul>	13

Π	Forms of Business Organization	<ul> <li>2.1 Forms of business organization</li> <li>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)</li> </ul>	13
Π	Setting up of a Business Enterprise	<ul> <li>3.1 Identification of ideas and opportunities</li> <li>3.2 Factors to be considered while setting up of business enterprise</li> <li>3.3 Feasibility report of a business enterprise</li> <li>3.4 Factors influencing size and location of a business enterprise</li> <li>3.5 Licensing and basic legal formalities to start a new business enterprise</li> </ul>	12
IV	Study of Domestic and Foreign Trade	<ul> <li>4.1 Introduction to distribution channels and its levels</li> <li>4.2 Concept of Domestic Trade- Wholesale trade and Retail trade</li> <li>4.3 Concept of Foreign Trade- Export, Import and Entrepot</li> <li>4.4 Export, Import and Entrepot Procedure</li> </ul>	12

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

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

## **Suggested Readings:**

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

## Suggested Web/E-learning Resources:

SR NO	Торіс	Lectures (Available on Youtube/Swayam/MOOCS etc)	Films	Journals/Articles/ Case studies
1	Nature and evolution of business	1. <u>https://www.youtube.com/watch?</u> <u>v=zD5H2yx0coA</u> 2.		1. https://zenodo.org/ record/2515158#.Y TywQp0zbIU
		https://www.youtube.com/watch? v=LNqT91Xpfdk 3. https://www.youtube.com/watch?		2. https://www.scirp. org/pdf/TI_201702 2014144485.pdf

		v=dzPOgdkzZ0M	
2	Forms of Business Organization	<ol> <li><u>https://www.youtube.com/watch?</u> <u>v=qfArD8LrxJM</u></li> <li><u>https://www.youtube.com/watch?</u> <u>v=2BJEEAjs1hk</u></li> <li><u>https://www.youtube.com/watch?</u> <u>v=4Qc9g-Gk4WY</u></li> </ol>	1. http://ndl.iitkgp.ac. in/document/MDl5 cHdNUUInd0InZH NoQXIvOG5IQW FoaFFWdSt4R3IZ R2NMcHRkcjZTO D0
3	Setting up of a business enterprise	<ol> <li><u>https://www.youtube.com/watch?</u> <u>v=BVTiqBwO0tE</u></li> <li><u>https://www.youtube.com/watch?</u> <u>v=q3_1FyYN1Kc</u></li> </ol>	1. https://www.scirp. org/pdf/CE201226 00012_63232659.p df
4	Study of Domestic and Foreign Trade	<ol> <li><u>https://www.youtube.com/watch?</u> v=glkK6Vh90nI</li> <li><u>https://www.youtube.com/watch?</u> v=-05OINLg_Q8</li> </ol>	1. https://www.scirp. org/pdf/ME_20160 51814380068.pdf

			FYBBA Semester – I	
Cours	se Code : -H051	•	amentals of Indian Business Practical – Skill Marks: 50 Credits: 2	
Cours	se Objectiv	ves:		
			bout the Inflation t of industrial Growth and problems	
C <b>O1:</b>	To gain ki	nowledge about	student shall be able to various aspects of Growth ept of problems of Growth and encourage to search se	olutions
Unit	Ur	nit Title	Contents	No. of Lectures
1	Trends a Growth	nd industrial	<ul> <li>Inflation</li> <li>Meaning – Definition of Inflation</li> <li>Features of Inflationary Economy</li> <li>Measures of Inflation</li> <li>Causes of Inflation</li> <li>Effects and current trends in Inflation</li> <li>Rural and Urban Inflation</li> <li>Liberalization</li> </ul>	15
2	Problem	s of growth	<ul> <li>Social injustice- Concept, Effects, Solutions</li> <li>,Black Money -Meaning – Sources – Effects- Measures,</li> <li>Lack of technical knowledge and information-Problems-Remedies</li> <li>Government initiatives and policies</li> </ul>	15
	Те	aching and eval	uation	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> <li>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.</li> <li>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</li> </ul>				
	• •	ndia's unique business environment, e erage opportunities in the Indian mar	-		

Unit	Evaluation Method	Marks (50)		0)	
		Formative Assessment		Summative Assessment	
		CCE (I ) 10	CCE(II ) 10	SEMESTER END (30)	
1	Power Point presentations, Explain concept	Presentation	Assignme nt	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.Aswathappa	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/Sway am/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 : Eng	Subject : English for Business Communication       Marks :         Credits :						
Course (	Objectives :							
<b>1.</b> To	o understand the l	English grammar and writing skills.						
<b>2.</b> To	o understand the b	pasic theories of professional communication	ation skills.					
Course C	Dutcome :							
After con	npleting the course	, the student shall be able to						
CO1: De	emonstrate basic kn	owledge of English grammar and writing s	kills					
<b>CO2:</b> Un	derstand the basic	theories of professional communication sk	ills					
Unit	Unit Title	Contents						
I	Basic	1.1 Active and Passive voice, tenses						
	English Grammar &	1.2 Identifying nouns, adjectives, adverbs, pronouns, punctuations						
	writing skills	1.3 Comprehension skills and paraphra 1.4.Concept ,need and functions of writ Correspondence	5					
		1.5 Essentials of Business Letter						
		1.6 Types of Business letters						
	1.7 Layout/Drafting of business letter.							
		1.8 Business Correspondence: Enquiry Le Purchase Order, Credit & Status enq Complaint letter, promotional letter, resignation letters	uiry letter, Sales Letter,					
		1.9 Report Writing and Internal Correspondent Need & Importance, Types.	ondence: Report- Meaning,					

	1.10 Notices, memos, circulars, Blog writing.

II Introduc Professi Commu Skills an method	process model 2.2 Verbal Communication, Non-verbal Communication, Formal Communication, Informal Communication. 2.3 Oral communication- Objectives, Functions, Advantage	s tten tten ctive
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Unit	Unit Title	Teaching methodolo gy	Project (If any)	Outcome expected- Conceptual understanding Knowledge/Skills/Attributes etc.CourseLearning Outcome (LO)Outcome		Weig htage of Mark s (%)
1	Basic English Grammar & writing Skills	PPT, Discussion, Grammar sheets, quiz	-	(CO) Students will understand the basic Grammar and writing skills	<ul> <li>Conceptual understanding, reflective skills</li> </ul>	60%
2	Introduction to Professional Communicati on Skills and their methods	PPT, Discussion, Video clips, poster making	-	Students will be able to understand the basic Professional Communicati on Skills and their methods	<ul> <li>Conceptual skills, reflective learning</li> </ul>	40%

Unit	Evaluation Method		Marks (1	<b>Project/Practical</b>	
		Formative		Summative	(If any)
		Assessment		Assessment	
		CCEI	<b>CCE II</b>	SEMESTER	
		(10)	(10)	(30)	

Ι	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,	Oxford
		Prakash Singh	
2	Business Communication	HomaiPradhan, N.S.	Himalaya
		Pradhan	
3	Business Communication	R.K. Madhukar	Vikas
4	Business Communication and	BiswajitDas	Excel Books
	personality Development	.ipswwtaSatpathy	
5	Technical Communication –		Oxford University
	Principles and Practice		Press
6	English Grammar in Use	Raymond Murphy	

# Suggested Web/E learning Resources:

SR NO	Торіс	Lectures (Available on Youtube/Swayam/MOOCS etc)	Films	Journals/Articles/ Case studies
1.	Basic English Grammar and writing skills	1.         https://online         courses.nptel         .ac.in/noc20         hs19/preview         2.         https://nptel.         ac.in/courses         /109106129         3.         https://www.y         outube.com/w         atch?		

		v=6NADEfJ OVNo	
2.	Introduction to Professional	1.	1.
	Communication Skills	https://www.youtube.com/watch? v=DLpINabdbRI	http://ndl.iitkgp.ac. in/document/MDl5 cHdNUUlnd0lnZH
		2. <u>https://www.youtube.com/watch?</u> <u>v=Mqvg2vLfbgg</u>	NoQXlvOG5lUEN RNG5vb25FV0xO K2VrYVBKTXpY WT0
		3. <u>https://www.youtube.com/watch?</u> <u>v=gFNQ-aZIakM</u>	<u></u>
		4. <u>https://www.youtube.com/watch?</u>	

 		1
	<u>v=glnMChrjU_8</u>	
	5. <u>https://www.youtube.com/watch?</u>	
	<u>v=2nJAiNgTzKM</u>	
	6.	
	https://www.youtube.com/watch? v=0bepN- VKRE	

# **Environment Awareness Part-I**

F. Y. BBA						
Course Code	:					
23BD1-J071			Marks : 50			
		Subject : Environment Awareness Part-I	Credits :2			
Course Obje	ctives :					
<ul> <li>environm</li> <li>2. To build I</li> <li>3. To make a complex of</li> <li>4. To create</li> </ul>	<ul><li>environment and better ecosystem</li><li>2. To build knowledge among students regarding utilization of various natural resources.</li></ul>					
5. To study	the impacts of human	n communities on environment				
Course Outc	ome :					
After complet	ing the course, the st	udent shall be able to				
CO1: Underst	tand how their action	as affect on the environment hence how to build better ecosys	tem			
CO2: Build k	nowledge and imple	ment necessary practices for utilization of various natural res	ources			
	te to implement vario ronmental issues.	ous practices of Bio-diversity and to preserve Ecological Con	servations of			
CO4: Know v	various causes of Env	vironmental Pollution and its remedies.				
CO5: Study 7	The impacts of Huma	n Communities On Environment.				
Syllabus Content:						
Unit	Unit Title	Contents	No of			
			Lectures			

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

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

# **Teaching Methodology:**

Unit	Unit Title	Teaching methodology	Project (If any)	Outcome expected Conceptual understanding Knowledge/Skills/Attributes etc	Weightage of Marks (%)	
Ι	Introduction to environmental studies and EcosystemPresentations, Lectures series , Video ClipsNAThe 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%	

Unit	Evaluation Method		Marks (100)		
		<b>Formative</b> A	Formative Assessment Sun Asse		(If any)
		CCE I	CCE II	SEMESTER	
		(25)	(25)		
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.			