

SVKM's Mithibai College of Arts, Chauhan Institute of Science & Amrutben  
Jivanlal College of Commerce & Economics (AUTONOMOUS)



Shri Vile Parle Kelavani Mandal's  
**MITHIBAI COLLEGE OF ARTS, CHAUHAN INSTITUTE OF SCIENCE & AMRUTBE  
JIVANLAL COLLEGE OF COMMERCE AND ECONOMICS (AUTONOMOUS)**  
*NAAC Reaccredited 'A' grade, CGPA: 3.57 (February 2016),  
Granted under RUSA, FIST-DST & -Star College Scheme of DBT, Government of India,  
Best College (2016-17), University of Mumbai*

Affiliated to the  
**UNIVERSITY OF MUMBAI**

**Program: F.Y.B. Com.**

**Course: Business and Entrepreneurship**

**Semester: I**

**Choice Based Credit System (CBCS) with effect from the  
Academic year**

**2022-2023**

*Patil*  
(Dr. S. Patil) (Dr. Alpesh Mehta)  
HOD

*Ausara Var*

## BACHELOR OF COMMERCE

For completion of the B.Com. programme, a learner is required to complete six semesters over three years for the completion of the programme. The broad programme outcomes are:

- Providing a strong knowledge base
- Develop skills to apply the knowledge in functional areas
- Enhance employability of the learner by making her/him industry ready
- Develop good communication and social skills
- To make the learner a responsible citizen

**PO 1: Academic Progression:** The learner will be able to make smooth progression to professional courses like Chartered Accountancy, Master of Business Administration, Company Secretary and Law, as well as academic programmes like Master in Commerce and Economics.

**PO 2: Employability:** The learner will be ready to enter the corporate sector in the areas of finance, marketing and sales, travel and tourism and other related areas.

**PO 3: Effective Communication:** The learner will possess good communication skills and will be able to effectively communicate through conventional and electronic media.

**PO 4: Entrepreneurial Ability:** The learner will have fundamental knowledge and skills in the area of entrepreneurship and will be able to venture into entrepreneurship as a career option if she/he chooses to.

**PO 5: Social Skills:** The learner will be able to meaningfully engage in interpersonal and group social interactions through discussions, opinion formation and negotiations. The learner will be able to manage people and organize events and activities with high degree of proficiency.

**PO 6: Environmental Awareness:** The learners will be aware of the environmental and ecological challenges faced by society and will have knowledge about environmental management. Learners will be familiar with the significance of environmental ethics in relation to business entities.

**PO 7: Good Citizens:** The learner will have exposure to societal problems and will be empathetic to them. She/he will be informed and aware about the rights and duties of citizens and will be ready to engage in meaningful civic life.

**PO 8: Analytical and Critical Ability:** The learner will be able to critically analyse problems and situations from wide ranging areas like business and corporate sector, economy, society, ecology and environment.

**PO 9: Responsible and Effective Use of ICT:** The learner will be aware of how to use technology for enhancing learning. She/he will be aware of how to make responsible use of

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technology and social media in communication, discussion forums, forming meaningful communities, participating in social activities and dissemination of knowledge.

**PROGRAMME SPECIFIC OUTCOMES (PSO'S)**

On completion of the B.Com., the learners should be enriched with knowledge and be able to:

**PSO 1:** The learners will be enriched with the knowledge of business, its objectives, business policy and planning.

**PSO 2:** The learners will become familiar with the business environment and its components i.e. internal, external environment.

**PSO 3:** The learners will also explore various strategies for business.

**PSO 4:** The learners will be introduced with concept of project planning and entrepreneurship.

**Preamble**

Under Autonomy, the college aims to develop curriculum that enables the learners to learn the needs of the market. The Commerce curriculum aims at overall enhancement of learning experience of the learners pursuing the Three-Year Integrated Program, Bachelor of Commerce. The evaluation of students' progress will be based on internal assessment and semester end examination.

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**Evaluation Pattern**

The performance of the learner will be evaluated in two components. The first component will be a Continuous Assessment with a weightage of 25% of total marks per course. The second component will be a Semester end Examination with a weightage of 75% of the total marks per course. The allocation of marks for the Continuous Assessment and Semester end Examinations is as shown below:

**a) Details of Continuous Assessment (CA)**

25% of the total marks per course:

Continuous Assessment	Details	Marks
Component 1 (CA-1)	Project/Presentation	15 marks
Component 2 (CA-2)	Class Test/Assignment	10 marks

**b) Details of Semester End Examination**

75% of the total marks per course. Duration of examination will be two and half hours.

Question Number	Description	Marks with Options	Total Marks
1	Answer the following (Module I) (Any 2 out of 3)	24	16
2	Answer the following (Module II) (Any 2 out of 3)	24	16
3	Answer the following (Module III) (Any 2 out of 3)	24	16
4	Answer the following (Module IV) (Any 2 out of 3)	24	16
5 A	Case Study (Module I to IV)	05	05
5 B	Write short answers. (Module I to IV) (Any 2 out of 3)	09	06
<b>Total Marks</b>			<b>75</b>

*[Handwritten Signature]*

Signature

HOD

*[Handwritten Signature]*

Signature

Approved by Vice –Principal

*[Handwritten Signature]*

Signature

Approved by Principal

**SVKM's Mithibai College of Arts, Chauhan Institute of Science & Amrutben  
Jivanlal College of Commerce & Economics (AUTONOMOUS)**

<b>Program: B. Com. (2022-23)</b>				<b>Semester: I</b>	
<b>Course: Business and Entrepreneurship</b>				<b>Course Code:</b>	
<b>Teaching Scheme</b>			<b>Evaluation Scheme</b>		
<b>Lecture (Hours per week)</b>	<b>Practical (Hours per week)</b>	<b>Tutorial (Hours per week)</b>	<b>Credit</b>	<b>Continuous Assessment (CA) (Marks - 25)</b>	<b>Semester End Examinations (SEE) (Marks- 75 in Question Paper)</b>
3	NIL	NIL	3	25	75
<b>Learning Objectives:</b>					
<ol style="list-style-type: none"> <li>1. To impart basic understanding of business and entrepreneurship.</li> <li>2. To enable identification of factors affecting business environment in general and specifically, in India.</li> <li>3. To provide basic understanding of business level strategies and corporate level strategies</li> <li>4. To facilitate preparation of business proposals.</li> <li>5. To create and widen entrepreneurship spirit</li> </ol>					
<b>Course Outcomes:</b>					
After completion of the course, learners would be able to:					
<b>CO 1:</b> Understand business environment globally and locally.					
<b>CO 2:</b> Imbibe basic characteristics of entrepreneurship.					
<b>CO 3:</b> Learn skills to identify business problems and develop possible strategies to address these problems.					
<b>CO4:</b> Identify possible opportunities for a new enterprise and develop a simple business plan for operationalizing it – understand start-up ecosystem.					
<b>CO 5:</b> Develop a strategic plan to address identified challenges in business.					
<b>Outline of Syllabus: (per session plan)</b>					
<b>Module</b>	<b>Description</b>				<b>No of Hours</b>
1	Introduction to Business				09
2	Business Environment and Environmental Analysis				09
3	Business and Corporate Level Strategies				09
4	Project Planning and Entrepreneurship				09
5	Project work and Presentation				09
	<b>Total</b>				<b>45</b>
<b>PRACTICALS: NIL</b>					

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Unit	Topic	No. of Hours/Credits
<b>Module 1</b>	<b>Introduction to Business</b>	<b>09</b>
	<p><b>Introduction:</b> Concept- Dimensions of Business (Derek Abell's 3-Dimensional model); Characteristics of Contemporary Business; Dynamics of Modern Business; Significance of Business</p> <p><b>Business Objectives:</b> Goals and Objectives; Steps in Objective formulation; Importance; Hierarchy; Classification; Reconciliation of Economic &amp; Social Objectives; KRA's (Key Result Areas) for setting objectives</p> <p><b>Business Policy and Planning:</b> Government Policies and their impact on business; latest changes in Government's Budgetary allocation, priorities and incentives having impact on trade and industry</p>	
<b>Module 2</b>	<b>Business Environment and Environmental Analysis</b>	<b>09</b>
	<p><b>Introduction to Business Environment:</b> Concept; Significance; Constituents- Internal and External-Micro and Macro Environmental components</p> <p><b>International Trading Environment:</b> Provisions of WTO; Implications of joining WTO for India; Trading Blocs and its impacts; Levels of Integration</p> <p><b>Environmental Analysis:</b> SWOT Analysis; ETOP Analysis; Stages of environmental analysis: Scanning, monitoring, forecasting (Steps, Types), assessment; SWOT analysis &amp; Strategy formulation – TOWS Matrix</p>	
<b>Module 3</b>	<b>Business and Corporate Level Strategies</b>	<b>09</b>
	<p><b>Strategy:</b> Introduction; Significance; Strategy formulation, implementation and evaluation, Levels of Strategy - Corporate, Business and Functional level</p> <p><b>Corporate Level Strategies: Expansion:</b> Concentration, Integration, Diversification, Co-operation- Mergers and Acquisitions, Joint Venture, Strategic alliances, Internationalization, Digitalization; <b>Stability:</b> No change, Pause/Proceed, Profit; <b>Retrenchment:</b> Turnaround, Divestment, Liquidation</p>	

	<b>Business Level Strategy-</b> Cost leadership, differentiation, Focus	
<b>Module 4</b>	<b>Project Planning and Entrepreneurship</b>	<b>09</b>
	<p><b>Business Planning</b> Process, Identification of idea/concept for enterprise, Challenges, Developing simple business plan, Concept and importance of Project Planning, Project Report, Feasibility Study and its types</p> <p><b>Entrepreneurship:</b> Concept and importance of entrepreneurship, Factors Contributing to Growth of Entrepreneurship, Entrepreneur, Manager and Intrapreneur-Comparative analysis, Incentives to Entrepreneurs in India, Social entrepreneurship, Women Entrepreneurs: Opportunities and Challenges. Start-up ecosystem</p> <p><b>Entrepreneurship in Sunrise Sectors:</b> Fin-Tech, Healthcare, Tourism and Hospitality, Aviation, Education, Entertainment Sector</p>	

*To develop scientific temper and interest by exposure through industrial visits and study/educational tours is recommended in each semester*

**Essential Reading:**

1. Introduction to Commerce, Vikram, Amit, Atlantic Publication
2. Business Environment: Text & Cases, Revised edition, Francis Cherunilam, Himalaya Publishing House
3. Entrepreneurship, Hisrich, Robert D, McGraw Hill

**Supplementary Reading:**

1. Business Organisation Management, Maheshwari, Rajendra P, Mahajan, J.P., International Book House
2. Essentials of Business Environment (Texts, Cases & Exercises), 13th Revised edition, K. Aswathappa, Himalaya Publishing House
3. Strategic Management, Kapoor, Veekkas, Taxmann
4. Strategic Management, Concept and Cases, David, Fred R., Phi Learning, Pearson
5. Strategic Management, Bhutani, Kapil, Mark Publication
6. Entrepreneurship, First edition, Dr. Achut P. Pednekar, Himalaya Publishing House
7. Entrepreneurship, Second edition, Rajeev Roy, Oxford University Press
8. Entrepreneurship Development, Sharma, K.C., Reegal Book Depot
9. <https://epgp.inflibnet.ac.in/>

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**Program: F.Y.B. Com.**

**Course: Principles of Management**

**Semester: II**

**Choice Based Credit System (CBCS) with effect from the  
Academic year**

**2022-2023**

*Zatil*  
(Dr. S. Patil) (Dr. A. Peshavkar)  
HOD

*Aurora Var*



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**BACHELOR OF COMMERCE**

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technology and social media in communication, discussion forums, forming meaningful communities, participating in social activities and dissemination of knowledge.

**PROGRAMME SPECIFIC OUTCOMES (PSO'S)**

On completion of the B.Com., the learners should be enriched with knowledge and be able to:

**PSO 1:** The learners will be enriched with the knowledge of management and various management thoughts.

**PSO 2:** The learners will become familiar with the various functions of management.

**PSO 3:** The learners will also explore various techniques and methods for the effective implementation of various functions of management.

**Preamble**

Under Autonomy, the college aims to develop curriculum that enables the learners to learn the needs of the market. The Commerce curriculum aims at overall enhancement of learning experience of the learners pursuing the Three-Year Integrated Program, Bachelor of Commerce. The evaluation of students' progress will be based on internal assessment and semester end examination.

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<b>Total Marks</b>			<b>75</b>

  
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Jivanlal College of Commerce & Economics (AUTONOMOUS)**

<b>Program: B. Com. (2022-23)</b>				<b>Semester: II</b>	
<b>Course: Principles of Management</b>				<b>Course Code:</b>	
<b>Teaching Scheme</b>			<b>Evaluation Scheme</b>		
<b>Lecture (Hours per week)</b>	<b>Practical (Hours per week)</b>	<b>Tutori al (Hours per week)</b>	<b>Credit</b>	<b>Continuous Assessment (CA) (Marks - 25)</b>	<b>Semester End Examinations (SEE) (Marks- 75 in Question Paper)</b>
3	NIL	NIL	3	25	75
<b>Learning Objectives:</b>					
<ol style="list-style-type: none"> <li>1. To introduce the learners to various schools of Management Thoughts.</li> <li>2. To provide general understanding of functions of management and possible solutions to address challenges in implementation.</li> <li>3. To introduce the concept of management ethics – through Chanakya, Gandhian Principles and Bhagavad Gita, and provide insights into both international and Indian principles of management.</li> <li>4. To provide overview of recent trends in management styles, principles, culture especially, in new age business enterprises and start-ups</li> <li>5. To create awareness about social responsibilities of management</li> <li>6. To introduce the concept of risk management</li> </ol>					
<b>Course Outcomes:</b>					
After completion of the course, students would be able to:					
<b>CO 1.</b> Understand management principles and their evolution through times to current day, new age business enterprises					
<b>CO 2.</b> Obtain understanding of rich heritage of India's management principles and continuous relevance through like Chanakya's principles, Gandhian principles and even principles set out in ancient scriptures.					
<b>CO 3.</b> Practice the process of management's four functions: planning, organizing, directing and controlling and understand its present-day applicability in day to day working.					
<b>CO 4.</b> Understand changing expectations from leaders and management with changing times, responsible business concept and use of modern-day tools especially, technology tools.					
<b>Outline of Syllabus: (per session plan)</b>					
<b>Module</b>	<b>Description</b>				<b>No of Hours</b>
1	Introduction to Management				09
2	Planning and Decision Making				09
3	Organizing				09
4	Directing, Motivation and Controlling				09
5	Project work and Presentation				09
	<b>Total</b>				<b>45</b>
<b>PRACTICALS: NIL</b>					

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Unit	Topic	No. of Hours/Credits
<b>Module 1</b>	<b>Introduction to Management</b>	<b>09</b>
	<p><b>Management:</b> Concept, Nature, Importance, Principles, Functions, Managerial Skills &amp; Competencies</p> <p><b>Evolution of Management Thought:</b> Pre- Scientific Management Era, Classical Approach, Behavioural (Neo Classical) Approach, Quantitative Approach, Systems Approach, Contingency (Situational) Approach, Operational Approach.</p> <p><b>Modern Management Thought:</b> Characteristics, Peter Drucker's Dimensions of Management, Indian Management Thoughts: Origin &amp; Significance of Indian Ethos to Management</p> <p><b>Changing Dimensions of Business Management:</b> Scale, Geographic Spread, Fast Changing Environment, Expectation of Users, Risk Management, Social Responsibilities: Environment, Governance and Society</p>	
<b>Module 2</b>	<b>Planning and Decision Making</b>	<b>09</b>
	<p><b>Planning:</b> Meaning, Steps, Importance, Components, Planning, Limitations / Challenges, Premises</p> <p><b>Coordination:</b> Importance, Coordination - Essence of Managing, Types of Coordination, Need and Significance of Coordination, Constraints to Coordination, Techniques.</p> <p><b>M.B.O.:</b> Process, Advantages, Limitations of MBO, Pre requisites for installing MBO programme, Management Information System- Concept, Components.</p> <p><b>Decision Making:</b> Techniques, Essentials of a Sound Decision Making, Impact of Technology on Decision Making, Problem Solving- Approaches, Problem Solving Process</p>	
<b>Module 3</b>	<b>Organizing</b>	<b>09</b>
	<b>Organizing:</b> Steps, Principles, Organization Structures – Features of Line & Staff Organization, Matrix Organization,	

	<p>Virtual Organization, Formal v/s Informal Organization</p> <p><b>Departmentation:</b> Meaning – Bases, Span of Management – Factors influencing Span of Management, Tall and Flat Organization.</p> <p><b>Delegation of Authority:</b> Process, Barriers to Delegation, Principles of Effective Delegation.</p> <p><b>Decentralization:</b> Factors influencing Decentralization, Centralization v/s Decentralization</p>	
<b>Module 4</b>	<b>Directing, Motivation and Controlling</b>	<b>09</b>
	<p><b>Directing:</b> Nature and Scope of Directing, Motivation- Concept, Importance, Theories of Motivation- Maslow's need priority model, Herzberg's two factor theory, Mc Gregors's Theory X and theory Y, Ouchi's theory Z, Achievement Motivation model, Adam's Equity Theory, Vroom's expectancy theory, Transactional Analysis.</p> <p><b>Leadership:</b> Concept, Functions, Styles, Qualities of a good leader, Leadership V/S Management.</p> <p><b>Controlling:</b> Concept, Need for Control, Techniques of Managerial Control– Traditional and Modern techniques, Steps, Essentials of an effective Control system.</p> <p><b>Management by Exception:</b> Concept and Benefits.</p>	

*To develop scientific temper and interest by exposure through industrial visits and study/educational tours is recommended in each semester*

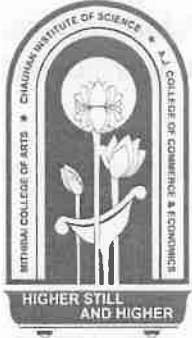
**Essential Reading:**

1. Practice of Management, Drucker Peter F, Harper Collins, 2016
2. Luthans, F., Introduction to Management, McGraw Hill.

**Supplementary Reading:**

1. What Management Is - Magretta, Joan, Profile Books, London, 2012 Edition
2. Business Planning, Butter David, Butterworth Heinemann, 2003.
3. Koontz, H. and Weihrich, H., Essentials of Management, Pearson Education.
4. Robbins, S. and Coulter, M., Management, Pearson Education.
5. Robbins, S. P. Decenzo, D.A., Bhattacharya, S. and Agrawal, M.M., Fundamentals of Management: Essentials, Concepts and Applications, Pearson Education.
6. Singh, B.P. and Singh, A.K., Essentials of Management, Excel Books.
7. Chhabra, T.N., Essentials of Management, Sun India.
8. Griffin, R.W., Management Principles and Application, Cengage Learning
9. <https://epgp.inflibnet.ac.in/>

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Affiliated to the  
**UNIVERSITY OF MUMBAI**

Program: **Bachelor of Commerce**

Course: **Environmental Studies – I**

**Environmental Studies – II**

**Semester – I & II**

**Choice Based Credit System (CBCS) with effect from the  
academic year 2022-23**

*Zatil*  
(Dr. Shatughna Patil)  
HOD

*S. G. Maral*  
(Dr Sunita Maral)

*Pravin*  
(Dr Pradip Saymore)

**SVKM's Mithibai College of Arts, Chauhan Institute of Science & Amrutben  
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The Program Outcomes (POs) are the outcomes that learners of undergraduate BCom degree program will be able to achieve at the time of graduation, include:

**PO1: Academic Progression:** The learner will be able to make smooth progression to professional courses like Chartered Accountancy, Master of Business Administration, Company Secretary and Law, as well as academic programmes like Master in Commerce and Economics.

**PO2: Employability:** The learner will be ready to enter the corporate sector in the areas of finance, marketing and sales, travel and tourism and other related areas.

**PO3: Effective Communication:** The learner will acquire good communication skills and will be able to effectively communicate through conventional and electronic media.

**PO4: Entrepreneurial Ability:** The learner will have fundamental knowledge and skills in the area of entrepreneurship and will be able to venture into entrepreneurship as a career option if she/he chooses to.

**PO5: Social Skills:** The learner will be able to meaningfully engage in interpersonal and group social interactions through discussions, opinion formation and negotiations. The learner will be able to handle people and organize events and activities with high degree of proficiency.

**PO6: Environmental Awareness:** The learners will have awareness of the environmental and ecological challenges faced by society and will gain knowledge about environmental management. Learners will be familiar with the significance of environmental ethics in relation to business entities.

**PO7: Good Citizens:** The learner will have exposure to societal problems and will be empathetic to them. She/he will be informed and aware about the rights and duties of citizens and will be ready to engage in meaningful civic life.

**PO8: Analytical and Critical Ability:** The learner will be able to critically analyse problems and situations from wide ranging areas like business and corporate sector, economy, society, ecology and environment.

**PO9: Responsible and Effective Use of ICT:** The learner will be aware of how to use technology for enhancing learning. She/he will be aware of how to make responsible use of technology and social media in communication, discussion forums, forming meaningful communities, participating in social activities and dissemination of knowledge.

**PROGRAMME SPECIFIC OUTCOMES (PSO'S)**

On completion of the B.Com. the learners should be enriched with knowledge and be able to:

**PSO1:** The learners will be enriched with the knowledge of business, its objectives, business policy and planning.

**PSO2:** The learners will become familiar with the business environment and its components i.e. internal, external environment.

**PSO3:** The learners will also explore various strategies for business and environment management

**PSO4:** The learners will be introduced with concept of project planning and entrepreneurship



### **PREAMBLE**

With the introduction of Credit Based Semester & Grading System (CBSGS) and continuous evaluation consisting of Internal Assessment & External Assessment by the esteemed University from the academic year 2011-12 at First Year B. Com level, then existing syllabus of 'Environmental Studies' for First Year B. Com was restructured according to the CBSGS pattern for implementation from 2011-12. Subsequently, syllabus of 'Environmental Studies' was revised by the Board of Studies in Geography University of Mumbai in the same year to be effective from June 2012 with an evaluation pattern of 60 marks external and 40 marks internal.

In the academic year 2013-14 University of Mumbai changed the evaluation pattern to 75 marks external and 25 marks internal with the existing syllabus. The syllabus of First Year B.Com. 'Environmental Studies' under CBSGS was again revised to be effective from June 2016 with an evaluation pattern of 100 marks.

The syllabus of Environmental Studies was revised under Autonomy to be implemented with effect from June 2018. Consistent with the UGC prescribed circular dated 14<sup>th</sup> May 2019, UGC prescribed syllabus of Environmental Studies was implemented with effect from June 2019 replacing the Semester I syllabus introduced under Autonomy, while keeping the semester II syllabus same. In the year 2020-21, the existing syllabus of Environmental Studies was revised to suit to the 1-hour lecture structure and updated to incorporate new topics.

NM College of Commerce and Economics (Autonomous) and Mithibai College (Autonomous) will have common curriculum for the First Year BCom programme from the AY 2022-23. In view of the same, framing of common syllabus of Environmental Studies course was carried out in the academic year 2021-22. Following common syllabus of Environmental Studies, approved by Board of Studies is to be implemented with effect from June 2023. F.Y.B.Com. Environmental Studies course, 1 lecture of 1-hour duration per week amounts to 1 credit.

**Evaluation Pattern**

The performance of the learner will be evaluated through two components. The first component will be an internal continuous assessment of 25 marks. The second component will be an examination of 75 marks at the end of each semester. The allocation of marks for the Internal Continuous Assessment (ICA) and End Semester Examinations (ESE) is as below:

**a) Details of Continuous Assessment (CA)**

25% of the total marks:


Continuous Assessment	Details	Marks
Component 1 (ICA-1)	Internal Class Test	10 marks
Component 2 (ICA-2)	Assignment / Project	15 marks

**b) Details of Semester End Examination**

75% of the total marks. Duration of examination will be two and half hours.

**Note: Question paper pattern to be decided by the Common Curriculum Committee**

  
Signature  
HOD

  
Signature  
Approved by Vice –Principal

  
Signature  
Approved by Principal

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Jivanlal College of Commerce & Economics (AUTONOMOUS)**

<b>Program: First Year Bachelor of Commerce (2022-23)</b>				<b>Semester: I</b>	
<b>Course: Environmental Studies - I</b>				<b>Course Code:</b>	
<b>Teaching Scheme</b>				<b>Evaluation Scheme</b>	
<b>Lecture (Hours per week)</b>	<b>Practical (per week)</b>	<b>Tutorial (per week)</b>	<b>Credit</b>	<b>Continuous Assessment (CA) (Marks - 25)</b>	<b>Semester End Examinations (SEE) (Marks- 75 in Question Paper)</b>
03	----	----	03	25	75
<b>Learning Objectives:</b>					
<ol style="list-style-type: none"> <li>1. To create an environmental awareness</li> <li>2. To impart knowledge of various aspects of the natural environment</li> <li>3. To sensitize learners about the impact of environmental damages due to resources' utilization and practices and measures to reduce the harmful impact on the environment and society</li> <li>4. To give insight into various problems of urbanization as well as alternatives to make cities sustainable</li> <li>5. To acquaint learners with the environmentally significant areas, features of the Greater Mumbai and surrounding.</li> <li>6. To orient learners towards the field work through observation and study of environmentally significant features in surrounding</li> </ol>					
<b>Course Outcomes:</b>					
After completion of the course, learners would be able to:					
<b>CO1:</b> Describe the functioning of the natural environment and methods of biodiversity conservation					
<b>CO2:</b> Summarize extent of the impact of over-exploitation and degradation of resources and explain the methods of conservation of resources					
<b>CO3:</b> Describe the impact of reduced carrying capacity of earth in relation to population growth and list various indices that measure human development					
<b>CO4:</b> Demonstrate environment friendly habits and responsible behaviour in use of resources at individual level					
<b>CO5:</b> Describe the intensity of the problems of urbanization and role as responsible residents of cities					
<b>CO6:</b> Explain the various environmental issues at different levels and their implications for the environment and society					
<b>CO7:</b> Describe course of action for mitigation of climate change and methods of solid waste management					
<b>CO8:</b> Identify environmentally sensitive areas in and around Greater Mumbai and browse through digital maps					

**Semester I**  
**Syllabus Outline (per session plan)**

Module	Description	No of Lectures
1	Introduction to Environmental Studies, Ecosystem and Biodiversity	11
2	Natural Resources – Utilization, Conservation and Management	11
3	Human Population - Quality of life and Urbanisation	11
4	Environmental Issues and Mitigation	09
	Map Work and Field Work Orientation	03
	<b>Total Lectures</b>	<b>45</b>

Module	Topics	No. of Lectures
<b>Module 1</b>	<b>INTRODUCTION TO ENVIRONMENTAL STUDIES, ECOSYSTEM AND BIODIVERSITY</b>	<b>11</b>
	<p><b>Environment and Ecosystem:</b></p> <ul style="list-style-type: none"> <li>• Scope and importance EVS - Multidisciplinary nature of environmental studies</li> <li>• Environment - Components of Environment</li> <li>• Ecosystem – types, structure and function of ecosystem - Food chain, Food web, Ecological Pyramid (Case studies of different ecosystems)</li> <li>• Ecosystem services</li> <li>• Role of traditional values in protection of environment.</li> </ul> <p><b>Biodiversity:</b></p> <ul style="list-style-type: none"> <li>• Meaning, Importance and Levels of biological diversity, biodiversity patterns</li> <li>• Global biodiversity hot spots – IUCN Classification of species</li> <li>• Threats to biodiversity- habitat loss, poaching of wildlife, man-wildlife conflicts, biological invasions</li> <li>• Conservation of biodiversity: Strategies for conservation; In-situ and Ex-situ conservation of biodiversity; Convention on International Trade in endangered species of wild fauna and flora (CITES-1972).</li> </ul>	

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<b>Module 2</b>	<b>NATURAL RESOURCES – UTILIZATION, CONSERVATION AND MANAGEMENT</b>	<b>11</b>
	<ul style="list-style-type: none"> <li>• Natural Resources – Classification &amp; Importance</li> <li>• Land: land use change; Land degradation related to various activities. Desertification and effective land management</li> <li>• Forests: Benefits, Degradation/deforestation and impacts, impact of dam building on environment and society (case study), Forest conservation</li> <li>• Water: Use and over-exploitation of surface and ground water; Water conservation &amp; management</li> <li>• Energy Resources: Classification of energy sources, growing energy needs – Energy Crisis, use of alternate energy sources</li> <li>• Social start-ups in energy sector, Energy Audit</li> </ul>	
<b>Module 3</b>	<b>HUMAN POPULATION - QUALITY OF LIFE AND URBANISATION</b>	<b>11</b>
	<p><b>Human Population and Quality of Life:</b></p> <ul style="list-style-type: none"> <li>• Current trends in population growth - world and India, Human population and carrying capacity of earth. Ecological footprint</li> <li>• Quality of Human Population-Human Development Index (HDI); World Happiness Index, Gross National Happiness Index, Happy Planet Index, Liveability Index</li> <li>• Environment and Human Health - food insecurity – malnutrition and Environmental Burden of Diseases.</li> </ul> <p><b>Urbanization:</b></p> <ul style="list-style-type: none"> <li>• Definition, Concept (Urbanization in Indian context),</li> <li>• Process and Trends in Urbanization - Developed Countries and Third World Countries</li> <li>• Causes and problems of urbanization in India</li> <li>• Solutions to the problems of urbanization - Major policies impacting urban development in India, major challenges</li> <li>• Smart, safe, and sustainable cities</li> </ul>	
<b>Module 4</b>	<b>ENVIRONMENTAL ISSUES AND MITIGATION</b>	<b>09</b>
	<ul style="list-style-type: none"> <li>• Climate change - global warming, causes &amp; evidence and impacts on the environment -Impact on Agriculture. UNFCCC - Kyoto protocol and Mechanisms for GHGs emission reductions, Climate Finance. Climate Politics;</li> </ul>	

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	<p>Implementations of Climate International Conventions and Protocols in India; Proposed Climate Action Plan for cities - Case Study of Mumbai.</p> <ul style="list-style-type: none"> <li>• Ozone layer depletion, acid rain</li> <li>• Solid waste Management – Meaning, Types of Waste, Methods of Waste Disposal; Basel Convention on Trans boundary Movement of Hazardous Wastes, 1989; Innovative methods of solid waste recycling- Role of NGOs &amp; Start-ups.</li> </ul>	
	<b>MAP WORK AND FIELD WORK ORIENTATION</b>	<b>03</b>
	<p><b>Map Work:</b></p> <ul style="list-style-type: none"> <li>• <b>Introduction to Map, Map filling - Mumbai</b> (Environmentally significant features)</li> <li>• <b>Introduction to Digital Maps – Sources,</b> (Google Maps, Bhuvan, Open Street Map, Bing Maps)</li> </ul> <p><b>Field Work:</b></p> <ul style="list-style-type: none"> <li>• Visit an area to document environmental assets; river/forest/flora/fauna, etc.</li> <li>• Observation and documentation of any local environmental Issue - Urban/Rural/Industrial/Agricultural.</li> <li>• Visit to any nearby Botanical Garden</li> <li>• Visit to nearby Environment/ Non-Conventional Energy Department</li> <li>• Study of simple ecosystems- River, agriculture coastal, urban ecosystem etc.</li> </ul>	
	<b>Total Lectures</b>	<b>45</b>

**Essential Reading:**

- Bharucha, Erach (2004). Textbook for Environmental Studies for Undergraduate Courses of all Branches of Higher Education, University Grants Commission, New Delhi. 2004.
- Kaushik Anubha and Kaushik C. P. (2016) Perspectives in Environmental Studies, Fourth Edition, New Age International (P) Limited, Publishers.
- Rajagopalan, R. (2016). Environmental studies: from crisis to cure. Oxford University Press.

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**Supplementary Reading:**

- Banerjee, A. (2013). Contemporary Urbanisation in India: Issues and Challenges. Concept Publishing Co. Pvt. Ltd. New Delhi.
- Bharucha Erach (2002), The Biodiversity of India, Mapin Publishing Pvt. Ltd., Ahmedabad
- Botkin and Keller. (2012). 'Environmental Science'. John Wiley & Sons Inc., Wiley India (P) Ltd., New Delhi. Eighth Edition.
- Boyle, G. (Ed.) (2012). Renewable Energy: Power for a Sustainable Future. Oxford University Press.
- Cunningham, W.P. Cooper, T.H. Gorhani, E & Hepworth, M.T. (2001). Environmental Encyclopedia, Jaico Publ. House, Mumbai
- Das, B.K., and Banerjee A. (2014). Biodiversity Conservation in India: Management Practices, Livelihood Concerns and Future Options. Concept Publishing Co. Pvt. Ltd. New Delhi.
- Goel, S. (Ed) (2016). Management of Resources for Sustainable Development. Orient Blackswan.
- Gurung, C. (2013). Eco-Conservation and Sustainable Living. Narosa Publishing House.
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- Kumar, A. (2016). Environment and Agriculture. APH publishing corporation
- Laine, N. (2012). Nature, Environment and Society- Conservation, Governance and Transformation in India. Orient Blackswan.
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- Narain, S. (2017). Conflicts of Interest: My Journey through India's Green Movement. Penguin Viking.
- Narain, S. (2018). Body Burden: Lifestyle Diseases. Center for Science and Environment.
- Narain, S. (2018). State of India's Environment 2018. Center for Science and Environment.
- Ristinen, Robert A. (2016). Energy and the environment. Wiley
- Sahu, H.K., Sethy J., and Mishra R. (2015). Biodiversity Conservation, Research and Management. Himalaya Publishing House.
- Santra, S.C. (2014). 'Environmental Science', New Central Book Agency Pvt. Ltd, Kolkata. Third Edition.
- Sashi, V., and Poornima S. (Eds.) (2014). Bioresources - Conservation Strategies. Narosa Publishing House Pvt. Ltd. New Delhi.
- Singh, H.H. (2016). Geography and Environment: Issues and Challenges. Concept Publishing Co. Pvt. Ltd. New Delhi.
- Singh, S. (2018). Environmental Geography. Parvalika Publications.
- Vinodan, C. (2015). Energy Security Choices for India. New Century Pub. New Delhi

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Jivanlal College of Commerce & Economics (AUTONOMOUS)**

- Ahluwalia, I. J. *Planning for Urban Development in India*, Indian Council for Research on International Economic Relations available at [http://icrier.org/Urbanisation/pdf/Ahluwalia\\_Planning\\_for\\_Urban\\_%20Development.pdf](http://icrier.org/Urbanisation/pdf/Ahluwalia_Planning_for_Urban_%20Development.pdf)
- Batra, L. (2009). *A Review of Urbanization and urban policy in post-independent India*, WORKING PAPER SERIES Centre for the Study of Law and Governance Jawaharlal Nehru University, New Delhi available at <https://www.jnu.ac.in/sites/default/files/u63/12-A%20Review%20of%20Urban%20%28Lalit%20Batra%29.pdf>
- Chand, S. (2020). *Major problems of urbanization in India*, Your Article Library available at <https://www.yourarticlelibrary.com/urbanisation/11-major-problems-of-urbanisation-in-india/19880>
- Deshmukh, M. S. (2015). *Emerging trends of urbanization in India*, EPRA International Journal of Economic and Business Review Vol-3, Issue-12 available at <https://eprawisdom.com/jpanel/upload/articles/119am23.Dr.%20M%20S%20Deshmukh.pdf>
- Geography – Causes and Consequences of Urbanization, available at <http://lumengeo.weebly.com/causes-and-consequences-of-urbanisation.html>
- National Thermal Power Corporation, available at <https://www.ntpc.co.in/>
- National Portal of India, available at <https://www.india.gov.in/act-and-rules-related-environment-protection>
- National Disaster Management Authority of India, available at <https://ndma.gov.in/en/>
- Morphocode - Global trends of urbanization, available at <https://morphocode.com/global-trends-urbanisation/>
- Smart Cities Mission, Government of India – Smart City, available at <http://smartcities.gov.in/content/>
- The legal and regulatory framework for environmental protection in India, available at <http://moef.gov.in/>
- United States Nuclear Regulatory Commission, available at <https://www.nrc.gov/>
- E-PG Pathshala, available at <https://epgp.inflibnet.ac.in/>.



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<b>Program: First Year Bachelor of Commerce (2022-23)</b>				<b>Semester: II</b>	
<b>Course: Environmental Studies - II</b>				<b>Course Code:</b>	
<b>Teaching Scheme</b>			<b>Evaluation Scheme</b>		
<b>Lecture (Hours per week)</b>	<b>Practical (per week)</b>	<b>Tutorial (per week)</b>	<b>Credit</b>	<b>Continuous Assessment (CA) (Marks - 25)</b>	<b>Semester End Examinations (SEE) (Marks- 75 in Question Paper)</b>
3	----	----	3	25	75

**Learning Objectives:**

1. To emphasize the importance of environment management in all commercial and economic activities and explain theories and concept applied by businesses in environmental decision making
2. To develop an understanding of the role of various stakeholders in environmental governance
3. To understand environmental regulations in India that govern various commercial and economic activities.
4. To facilitate the process of linking Sustainable Development Goals with the environmental objectives of the businesses
5. To emphasize functional and spatial linkages among environment, economy and society.
6. To orient learners towards the digital mapping application like Google Earth and Bhuvan.

**Course Outcomes:**

After completion of the course, learners would be able to:

- CO1:** Recognize the role of different stakeholders in environmental governance
- CO2:** Summarize environmental laws and international environmental conventions that govern various commercial and economic activities
- CO3:** Describe Sustainable Development Goals, their environmental dimensions w.r.t India
- CO4:** Examine the achievement of India w.r.t. different SDGs
- CO5:** Describe the importance and application of the environment management practices in business, commerce and corporate world
- CO6:** Explain changing perception of businesses and corporations in environmental decision making
- CO7:** Identify environmentally significant features on satellite image and operate available tools.

**Semester - II**  
**Syllabus Outline (per session plan)**

Module	Description	No of Lectures
1	Environmental Governance and Management	12
2	Environmental Laws & Regulations in India	10
3	Introduction to Sustainable Development and SDGs	10
4	Environmental Ethics and Business- Practices and Policies	10
	Map Work	03
	<b>Total Lectures</b>	<b>45</b>

Module	Topics	No. of Lectures
<b>Module 1</b>	<b>ENVIRONMENTAL GOVERNANCE AND MANAGEMENT</b>	<b>12</b>
	<p><b>Environmental Governance in India –</b></p> <ul style="list-style-type: none"> <li>• Environmental Governance and Mechanisms</li> <li>• Role of Ministry of Environment, Forest, and Climate Change, Pollution Control Boards, Green Tribunals, NGO's and Citizens' groups</li> <li>• Role of Geospatial Technology in Environmental Management</li> </ul> <p><b>Environmental Management:</b></p> <ul style="list-style-type: none"> <li>• Concept, need and approaches - Integrated Approach to Environmental Management, Tools</li> <li>• Environment Management System - Concept, Elements, and Benefits</li> <li>• International Environmental Standards, Need for certification, Role of certifying bodies</li> <li>• Introduction to ISO 14000 EMS standards</li> <li>• Environmental Auditing – concept, types and steps</li> </ul>	
<b>Module 2</b>	<b>ENVIRONMENTAL LAWS &amp; REGULATIONS IN INDIA</b>	<b>10</b>
	<p><b>Legislations in India</b></p> <ul style="list-style-type: none"> <li>• The Wildlife Protection Act, 1972; The Water (Prevention and control of Pollution) Act 1974; The Forest Conservation Act, 1980. The Air (Prevention &amp; Control of Pollution) Act 1981; The Environment Protection Act, 1986</li> </ul> <p><b>Regulations</b></p>	

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	<ul style="list-style-type: none"> <li>• <b>Environmental Impact Assessment</b> – Concept, Need for EIA; Background and History of EIA, EIA Notification, Draft EIA - 2019, Steps in EIA, and Benefits of EIA</li> <li>• <b>Coastal Regulation Zone (CRZ)</b> – Introduction, Background and Objectives; Coastal Regulation Zone Notification 2011 &amp; 2019; Challenges in implementation.</li> </ul>	
<b>Module 3</b>	<b>INTRODUCTION TO SUSTAINABLE DEVELOPMENT AND SDGs</b>	<b>10</b>
	<ul style="list-style-type: none"> <li>• Definition, Meaning of Sustainable Development</li> <li>• Introduction to the Sustainable Development Goals - Brief History</li> <li>• SDG agenda – 5 key opportunities for development, Integrated Approach to the Sustainable Development Goals</li> <li>• Environmental Dimensions of SDGs, Environmental Goals, Targets, and Indicators</li> <li>• Environmental Goals achievements – Global and India level</li> <li>• SDGs and the role of Business - Integration of SDGs into Business strategy and operations, Sustainability Reporting and Impact Measurement</li> </ul>	
<b>Module 4</b>	<b>ENVIRONMENTAL ETHICS AND BUSINESS- PRACTICES AND POLICIES</b>	<b>10</b>
	<ul style="list-style-type: none"> <li>• Environmental Ethics in business and corporate world – Environment friendly practices, Sustainable Industrial practices – Case Studies</li> <li>• Green Business Models – Life cycle approach, Green Business and Green Marketing</li> <li>• Pillars of Corporate Sustainability - Introduction to Nudge Theory; Triple Bottom Line Concept; Introduction to ESG (Environmental, Social, Governance) Criteria, Circular Business Model- Innovative Business Solutions in Resource Utilization - (Case Studies)</li> </ul>	
	<b>MAP WORK</b>	<b>03</b>
	<ul style="list-style-type: none"> <li>• <b>Google Earth</b> – Identification and capture of natural and man-made features. Use of available tools.</li> <li>• <b>Make my map</b> – Features generation</li> <li>• <b>Bhuvan</b> – Applications</li> </ul>	

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Jivanlal College of Commerce & Economics (AUTONOMOUS)**

**Essential Reading:**

- Asthana, D. K. and Asthana, M. (2012). A Textbook of Environmental Studies, S. Chand & Company Ltd., New Delhi.
- Jayamani, C. V. and Vasanthagopal, R. (2012). 'Environmental Management', New Century Publications, New Delhi.

**Supplementary Reading:**

- Daniele, Ponzi Dechen, Tsering and Jaco, Cilliers (2019). Strengthening the Environmental Dimensions of The Sustainable Development Goals in Asia and the Pacific Tool Compendium. Asian Development Bank and the United Nations Environment Programme
- Karpagam, M. and Jaikumar, G. (2010). 'Green Management – Theory and Applications' Ane Books Pvt. Ltd. New Delhi.
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- Kundu, Amitabh (2006). Trends and Patterns of Urbanization and their Economic Implications, India Infrastructure Report
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- Teresa, Fogelberg and Paula, Pelaez (2016). 'MEASURING IMPACT How Business Accelerates the Sustainable Development Goals'. United Nations Development Programme and GR
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- Environmental Information System – Components of EIA available at <http://www.envis.org/eia/eia-manual/80-components-of-eia>
- Introduction to Environmental Impact Assessment (EIA) (2020) available at [https://www.soas.ac.uk/cedep-demos/000\\_P507\\_EA\\_K3736-Demo/unit1/index.htm](https://www.soas.ac.uk/cedep-demos/000_P507_EA_K3736-Demo/unit1/index.htm)
- Maharashtra Coastal Zone Management Authority (2019). Draft CZMP of Mumbai City & Mumbai Suburban available at <https://mczma.gov.in/content/draft-czmp-mumbai-city-mumbai-suburban-2019>
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Jivanlal College of Commerce & Economics (AUTONOMOUS)**

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- National Accreditation Board for Education and Training (NABET) (2020). available at <http://nabet.qci.org.in/> <http://nabet.qci.org.in/eia.php>
- OpenLearn – Smart Cities available at <https://www.open.edu/openlearn/ocw/mod/oucontent/view.php?id=67877&section=2>
- Panagariya, Arvind (2017). India Voluntary National Review Report on the implementation of Sustainable Development Goals presented to the UNITED NATIONS High Level Political Forum. NITI Aayog. Available at [https://niti.gov.in/writereaddata/files/India%20VNR\\_Final.pdf](https://niti.gov.in/writereaddata/files/India%20VNR_Final.pdf)
- The Sustainable Development Solutions Network (2015). Getting Started with the Sustainable Development Goals—A Guide for Stakeholders. Available at <https://sdg.guide/>
- United Nations Environment Programme (UNEP) EIA Training Resource Manual, Studies of EIA practice in developing countries, available at <https://www.iaia.org/pdf/case-studies/CaseStudies.PDF>
- United Nations Statistics Division, a division of the Department of Economic and Social Affairs (2020). United Nations Statistics Division. Development Data and Outreach Branch. Available at <https://unstats.un.org/sdgs/report/2020/>
- E-PG Pathshala available at <https://epgp.inflibnet.ac.in/>

