



Ramniranjan Jhunjunwala College

of Arts, Science & Commerce

(Autonomous College)

Affiliated to

UNIVERSITY OF MUMBAI

PROGRAM: B.COM

SYLLABUS FOR F.Y.B.COM

ENVIRONMENTAL STUDIES

PROGRAM CODE: RJCUCOM

(CBCS 2019-20)

DISTRIBUTION OF TOPICS AND CREDITS

F.Y.B.Com. ENVIRONMENTAL STUDIES SEMESTER I

Course	Nomenclature	Credits	Topics
RJCUCOM105	Environmental Studies	02	<ol style="list-style-type: none">1. Environment and ecosystem2. Natural Resources and Sustainable Development3. Population and Environment4. Urbanization and environment

F.Y.B.Com. ENVIRONMENTAL STUDIES SEMESTER II

Course	Nomenclature	Credits	Topics
RJCUCOM205	Environmental Studies	02	<ol style="list-style-type: none">1. Agriculture and Industry – Environmental Problems and Solutions2. Tourism and environment3. Solid waste management4. Environmental management

F.Y.B. COM Environmental Studies Syllabus Semester I & II

SEMESTER I		L	Cr
Paper: Environmental Studies		Paper Code: RJCUCOM105	
		60	4
<i>UNIT I - Environment and Ecosystem</i>		15	
1	Environment – Characteristics and Types		
2	Ecosystem - Characteristics and Types		
3	Human impact on environment - Importance of Environmental Studies		
<i>UNIT II - Natural Resources and Sustainable Development</i>		15	
1	Natural resources – Endowments, Potential resources and Classification of natural resources		
2	Conservation of resources - Need and relevance in 21 st century		
3	Conservation of water, forest and energy resources		
4	Sustainable Development – Concept and Importance		
<i>UNIT III - POPULATION AND ENVIRONMENT</i>		15	
1	Population growth in the world and India - arising concern		
2	Population distribution in the world - Factors and Patterns		
3	Concept of over population, optimum population and under population		
4	Human Development Index and World Happiness Index		
<i>UNIT IV - URBANISATION AND ENVIRONMENT</i>		15	
1	Concept and process of urbanization		
2	Causes of urbanization – push and pull factors		
3	Environmental consequences of urbanization – Deforestation, Pollution, Urban Heat Island		
4	Sustainable solutions for Urban environment – Concept of Smart cities and Sustainable cities		

SEMESTER II		L	Cr
Paper: Environmental Studies	Paper Code: RJCUCOM205	60	4
<i>UNIT I – Agriculture and Industry – Environmental Problems and Solutions</i>		15	
1	Environmental problems associated agriculture		
2	Sustainable agricultural practices		
3	Environmental problems associated industry		
4	Sustainable industrial practices		
<i>UNIT II TOURISM AND ENVIRONMENT</i>		15	
1	Tourism – Meaning, Importance and Typology		
2	Consequences of tourism – Economic, Social and Environmental		
3	Tourism in India – Potentials and Challenges –New tourism policy of India		
4	New tourism policy of India		
<i>UNIT III – SOLID WASTE MANAGEMENT</i>		15	
1	Solid waste – Classification – Types and Sources		
2	Impact of solid waste on Environment and Human health		
3	Solid waste management – Concept and Importance		
4	Megacity Mumbai - Schemes and Initiatives by Municipal Corporation of Greater Mumbai.		
<i>UNIT IV - ENVIRONMENTAL MANAGEMENT</i>		15	
1	Environmental management- Concept, Need and Relevance – International and National efforts		
2	Application of Geospatial technology in Environmental Management: GIS, GPS and Remote sensing		
3	Green business – Concept and Importance		
4	Green Consumerism - Environment Friendly Lifestyle		

F.Y.B. Com.	Semester I
RJAUGEO101 Paper :Environmental Studies	<p>Course Outcomes 1.1 :</p> <ol style="list-style-type: none">1. Acquire an awareness of the environment as a whole.2. Increase an awareness of the importance of living in harmony with the environment.3. Develop an understanding of the interdisciplinary and holistic nature of the environment.4. Data base for understanding the environment as a system5. Human impact on environment and the the resulting environmental problems at local, regional and global level.6. Implement measures for the improvement and protection of environment.7. Sustainable solutions to environmental problems <p>Learning outcomes:</p> <ol style="list-style-type: none">1. Acquire an attitude of concern for the environment.2. Acquire the skills for identifying and solving environmental problems.3. Apply systems concepts and methodologies to analyze and understand environmental processes.4. Create better quality environment at the place of work and home.5. Participate in improvement and protection of environment.6. Implement measures for the improvement and protection of environment.7. Reading and interpretation of maps.8. Reflect critically about their roles and identities as citizens, consumers and environmental factors in a complex, interconnected world.

References

1. Botkin D.B. & Keller E.A.(1995) : Environmental Science, John Wiley & Sons, New York
2. Bharucha Erach (2005): Environmental Studies, University Grants Commission, University Press.
3. Kaushik A. & Kaushik C.P. (2006) : Perspectives in Environmental Studies, New Age International (P) Ltd. Publisher, New Delhi.
4. Singh Savindra (2003) Environmental Geography, Prayag Pustak Bhawan, Allahabad.
5. Detwyler T.R. (1971) Man's Impact on Environment, McGraw Hill, New York
6. Gautam Alka (2009) Environmental Geography, Sharda Pustak Bhavan, Allahabad.
7. Richar; T.Wright. 2008. Environmental Science: towards a sustainable future. PHL Learning Private Ltd. New Delhi

Scheme of Examinations

1. Two Internals of 20 marks each. Duration 30min for each.
2. One External (Semester End Examination) of 60 marks. Duration 2 hours.
3. Minimum marks for passing Semester End Exam and Internal Exam is 40 %.
4. Student must appear for at least one of the two Internal Tests to be eligible for the Semester End Examination.
5. For any KT examinations, there shall be ODD-ODD/EVEN-EVEN pattern followed.
6. HOD's decision, in consultation with the Principal, shall remain final and abiding to all.