

AC / 27.06.2023 / RS (1)



College of Arts,
Science &
Commerce (Autonomous)

RISE WITH EDUCATION

NAAC REACCREDITED - 'A' GRADE

Sion (West), Mumbai – 400022
Affiliated to University of Mumbai

Syllabus under NEP effective from June 2023

Programme: B.Com / BA / BSc

Subject: Value Education Course - Environmental Studies I

Class: F.Y.B.COM / F.Y.B.A / F.Y.B.Sc

Semester: I

Choice Based Credit System (CBCS)

**Semester I
Value Education Course (VEC)**

Name of Program: Value Education Course		Name of Department: Commerce				
Class	Semester	Course Code	Course Name	No. of lectures/ per week	Credits	Marks
FYBCOM / FYBA / FYBSC	I	SIUCOVE111	Environmental Studies I	02	02	50

**Course Name: Value Education Course – Environmental Studies I
Credits: 02**

Expected Course Outcomes

After successful completion of the course a student will be able:

- 1) To describe the interconnected and interdisciplinary nature of environmental studies.
- 2) To classify natural resources and understand the importance of water, forest and energy resources and suggest techniques for conservation of resources.

Module I	Environment and Ecosystem	15
i.	Environment: meaning, definition, scope and its components;	
ii.	Ecosystem-concept, definition, types, and functioning and structure;	
iii.	Man and environment relationship; Importance of environmental studies.	
iv.	Understanding the environment through map filling on the world map.	
Module II	Natural Resources and sustainable Development	15
i.	Natural Resources- Meaning and definition; Classification and types of resources, factors influencing resource utilization;	
ii.	Resource conservation- meaning and methods-conventional and non-conventional resources, problems associated with and management of water, forest and energy resources,	
iii.	Resources and sustainable development.	
iv.	Understanding the natural resources through map filling on the world map.	

Reference Books

1. Allaby, M. (2002). *Basics of Environmental Sciences*. Routledge.
2. Botkin, D.B. & Keller E.A. (1995). *Environmental Science*. John, Wiley & Sons.
3. Detwyler, T.R. (1971). *Man's Impact on Environment*. McGraw-Hill.
4. Alka, G. (2009). *Environmental Geography*. Sharda Pustak Bhavan.
5. McKinney, M.L. & Schoch, R.M. (1998). *Environmental Science*. Jones & Bartlett Publishers.
6. Mohanta, R. Sen, A. Singh, M.P. (2009). *Environmental Education – Vol 1*. APH Publishing Corporation.
7. Odum, E.P. (1971). *Fundamentals of Ecology*. W.B. Saunders.
8. Rao, K.L. (1975) *India's Water Wealth*. Orient Longman Ltd.
9. Singh, S. (2011). *Environmental Geography*. Prayag Pustak Bhavan.
10. <https://www.pmfias.com/biodiversity-hotspots-india/>
11. <https://www.nams-india.in/downloads/CME-NAMSCON2017/9M2017.pdf>
12. <https://www.un.org/sustainabledevelopment/sustainable-development-goals/>

SCHEME OF EVALUATION

Semester End Exam – 30 Marks

Internal Assessment – 20 Marks

QUESTION PAPER PATTERN FOR SEMESTER END

FYBCOM / FYBA / FYBSC

Value Education Course – Environmental Studies I

Time: 2 Hours

Marks: 30

- Q1. Module I (Answer any one out of two) (10)
- Q2. Module II (Answer any one out of two) (10)
- Q3. Short Notes on any two out of four (10)

INTERNAL ASSESMENT FOR MID SEMESTER

Online Class Test / Project / Assignment (20)

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Syllabus under NEP effective from June 2023

Programme: B.Com / BA / BSc

Subject: Value Education Course - Environmental Studies II

Class: F.Y.B.COM / F.Y.B.A / F.Y.B.Sc

Semester: II

Choice Based Credit System (CBCS)

**Semester II
Value Education Course (VEC)**

Name of Program: Value Education Course		Name of Department: Commerce				
Class	Semester	Course Code	Course Name	No. of lectures/ per week	Credits	Marks
FYBCOM / FYBA / FYBSC	II	SIUCOVE112	Environmental Studies II	02	02	50

**Course Name: Value Education Course – Environmental Studies II
Credits: 02**

Expected Course Outcomes

After successful completion of the course a student will be able:

1. To examine the environmental problems associated with agriculture and industry and choose sustainable practices to manage these sectors.
2. To describe various environmental movements and issues and understand environment protection laws and their application.

Module I	Agriculture and Industrial Development	15
i.	Environmental problems associated with agriculture; Loss of productivity, Land Degradation, desertification. Hunger and malnutrition. Solutions: Sustainable Agricultural practices.	
ii.	Environmental problems associated with Industries: pollution, Global Warming, Ozone layer depletion, Acid rain. Solutions: Sustainable industrial practices	
Module II	Environmental Issues, Movements and Management	15
i.	Environmental problems and issues-causes effects and solutions	
ii.	Environmental movements in India – Significance and some important movements	
iii.	Environmental Management - Concept, need and relevance.	
iv.	Environment Protection -Constitutional and legal provisions in India.	

Reference Books

1. Alka, G. (2009). *Environmental Geography*. Sharda Pustak Bhavan.
2. Allaby, M. (2002). *Basics of Environmental Sciences*. Routledge.
3. Botkin, D.B. & Keller E.A. (1995). *Environmental Science*. John, Wiley & Sons.
4. Detwyler, T.R. (1971). *Man's Impact on Environment*. McGraw-Hill.
5. Gandotra, V. Patel, S. (2008). *Environmental Problems and Strategies*. Serials Publications
6. McKinney, M.L. & Schoch, R.M. (1998). *Environmental Science*. Jones & Bartlett Publishers.
7. Mohanta, R. Sen, A. Singh, M.P. (2009). *Environmental Education – Vol 1*. APH Publishing Corporation.
8. Singh, S. (2011). *Environmental Geography*. Prayag Pustak Bhavan.
9. Saxena, H.M. (2000). *Environmental Management*. Rawat Publication..
10. <https://www.cchit.org/role-of-information-technology-in-environment-and-human-health/>

SCHEME OF EVALUATION

Semester End Exam – 30 Marks

Internal Assessment – 20 Marks

QUESTION PAPER PATTERN FOR SEMESTER END

FYBCOM / FYBA / FYBSC

Value Education Course – Environmental Studies II

Time: 2 Hours

Marks: 30

- Q1. Module I (Answer any one out of two) (10)
- Q2. Module II (Answer any one out of two) (10)
- Q3. Short Notes on any two out of four (10)

INTERNAL ASSESMENT FOR MID SEMESTER

Online Class Test / Project / Assignment (20)