



STATE EDUCATION POLICY- 2024-25

(SEP-2024)

ENVIRONMENTAL STUDIES (COMPULSORY COURSE/ CONSTITUTIONAL VALUES)

Syllabus of I and II Semester (BCom, BBA, BA, BSc, BCA)

Submitted

to

Davangere University
Davangere-577 007

The Chairman - BOS
Department of Studies in EVS
Davangere University, Davangere - 577 007

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Registrar
Davangere University
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UNIVERSITY GRANTS COMMISSIONS
ENVIRONMENTAL STUDIES
COMPULSORY COURSE/ CONSTITUTIONAL VALUES

This module consists of **3 units**, covering **48 lecture** hours which are **classroom based** and **field work** intended to create awareness, enhance knowledge, develop skills and attitudes necessary to understand the Environment in its totality and enables students to participate proactively for the cause of the environment.

1. Environmental Studies is made compulsory core module syllabus framed by UGC for all the Indian Universities/Colleges as per the directions given by the Honourable Supreme Court, which believed that, conservation of environment should be a national way of life and to be included into the education process. As per Davangere University regulations, State Educational Policy and members of Board of Studies it is proposed to implement the details listed in the tabular column below, **mandatorily**.

Subject	ENVIRONMENTAL STUDIES (COMPULSORY COURSE/ CONSTITUTIONAL VALUES)	Semester
Course	BCom/BBM/BCA	I
	BA /BSc/BSc/BVA	II

2. This pattern helps in distributing the workload of teachers of Environmental Studies to both **I and II semesters** enabling the distribution of the **teaching workload of an institution for full academic year**; ensures distribution of examinations into two semesters; also provide scope for a full-time teacher of the subject.
3. **Eligibility to teach Environmental Studies:** A candidate with minimum qualifications of M.Sc. in Environmental Science subject only is eligible to teach Environmental Studies at the under graduate level in all Autonomous, Government, Aided and Private Colleges which are affiliated to Davangere University. **Preference may be given to candidates with UGC-NET/K-SET/Ph.D. in Environmental Science.**
4. However, when such candidate is not available, teachers of the subjects listed below are to be preferred to teach ONLY ENVIRONMENTAL STUDIES paper in the following order:
 - **Biological Sciences:** Botany/Zoology/Microbiology/Biotechnology/Life

Sciences

- **Chemical Sciences and Earth Sciences:** Chemistry/Geology/Earth Sciences

5. Pattern of Examination: Total marks – **50** (Internal Assessment - **10** marks and Final Examination - **40** marks).

I. Summative Marks Distribution

Formative Assessment	
Assessment Occasion/Type	Weighting in Marks
Assessment Test – 1	05
Assessment Test – 2	05
Total	10

II. Term End Examination: Paper will be for maximum of 40 marks.

Section – A: short Questions

Section – B: Long Answer Questions

6. Duration of the examination: 2 hour

7. Teaching hours and credits: 3 hours of teaching per week and **2 credits**.


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University Grants Commissions
ENVIRONMENTAL STUDIES
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Total Contact Hours: 48	Course Credits: 2
No. of Teaching Hours/week: 3	Duration of Exam: 2 Hours
Formative Assessment Marks: 10	

Content of AECC – Environmental Studies		Hours
Unit 1:	Introduction to Environmental Studies: Multidisciplinary nature of environmental studies, scope and importance; Concept of sustainability and sustainable development. Ecosystem: Structure and function of ecosystem; Energy flow in an ecosystem: food chains, food webs and ecological succession. Case studies of the following ecosystems: a) Forest ecosystem, b) Grassland ecosystem, c) Desert ecosystem, Aquatic ecosystems (ponds, streams, lakes, rivers, oceans, estuaries)	16
Unit 2:	Natural Resources: Renewable and Non-Renewable Resources: Land resources and land-use change; Land degradation, Soil erosion, and desertification. Deforestation: Causes and impacts due to mining, dam building on environment, forests, biodiversity, and tribal populations. Water: Use and over-exploitation of surface and ground water, floods, droughts, conflicts over water (international & inter-state). Energy resources: Renewable and non-renewable energy sources, use of alternate energy sources, growing energy needs, case studies.	16
Unit 3:	Environmental Pollution and Policies : Environmental pollution: types, causes, effects and controls; Air, water, soil and noise pollution, Nuclear hazards and human health risks, Solid waste management, Control measures of urban and industrial waste Pollution case studies. Environment Laws: Environment Protection Act; Air (Prevention & Control of Pollution) Act; Water (Prevention and control of Pollution) Act; Wildlife Protection Act; Forest Conservation Act. International agreements: Montreal and Kyoto protocols and Convention on Biological Diversity (CBD). <ul style="list-style-type: none"> Nature reserves, tribal populations and rights, and human wildlife conflicts in Indian context 	16

References

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7. McCully, P. (1996). Rivers no more: the environmental effects of dams (pp. 29-64). Zed Books.
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14. Rosencranz, A., Divan, S., & Noble, M. L. (2001). Environmental law and policy in India.
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16. Singh, J.S., Singh, S.P. and Gupta, S.R. (2014). Ecology, Environmental Science and Conservation. S. Chand Publishing, New Delhi.
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18. Wilson, E. O. (2006). The Creation: An appeal to save life on Earth. New York: Norton.
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Scheme of Examination

B.com/BBA/BA/B Sc/BCA , I & II Semester Degree Examination, 2024-25
(Semester Scheme, New Syllabus: 2024-25)

Subject Environmental Studies

Paper:

Paper Code:

Time : 2 Hours

Max Marks: 40

Instructions to the Students

1. All sections are compulsory
2. Draw neat and labeled diagrams wherever necessary
- 3.

SECTION-A

1. Answer **ALL** the following questions

(05 x 02= 10)

- a)
- b)
- c)
- d)
- e)

SECTION-B

Answer any **SIX** of the following

(06 x 05= 30)

- 2.
- 3.
- 4.
- 5.
- 6.
- 7.
- 8.
- 9.


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