

2020
(CBCS)
(FOURTH SEMESTER)
ENVIRONMENTAL STUDIES

Full Marks: 50

Time: 3 hours

Instructions:

1. Questions should be attempted as per instructions.
2. Do not copy the Questions. Indicate the Questions No. clearly while attempting the answer.
3. Multiple choice answer should indicate the Question No., Sub. No., (if any) and the correct answer. For example-

1. Name the state capital of Mizoram.

(a) Lunglei (b) Aizawl (c) Champhai

Candidate should provide answer as **Q. No. 1: (b) Aizawl** [Candidate should avoid writing only (b)]

4. The figures in the margin indicate full marks for the questions.
5. Separate answer script should be used.

SECTION: A – OBJECTIVE

Marks:10

Choose the correct answer from the following:

(1x10=10)

1. Environmental Studies is
 - (a) Multidisciplinary
 - (b) Mono disciplinary
 - (c) Double disciplinary
 - (d) None of the above

2. Which is an example of abiotic component?

- (a) Animals
- (b) Non-living things
- (c) Plants
- (d) Microorganisms

3. Natural gas is

- (a) Non-renewable resource
- (b) Renewable resource
- (c) Inexhaustible resource
- (d) None of the above

4. Wind Energy is

- (a) Renewable
- (b) Non-renewable resource
- (c) Exhaustible
- (d) None of the above

5. Diversity in the variation of genes, nucleotides, chromosomes of organisms is

- (a) Species diversity
- (b) Genetic diversity
- (c) Ecosystem diversity
- (d) Alpha diversity

6. The North-East India falls in the

- (a) Western Ghats hotspot
- (b) Sundaland hotspot
- (c) Indo-Burma hotspot
- (d) None of the above

7. Acid rain is responsible for

- (a) Dermal problems
- (b) Discoloration of monuments
- (c) Soil degradation
- (d) All the above

8. Greenhouse effect is related to
- (a) Global cooling
 - (b) Global warming
 - (c) Globalization
 - (d) Sustainability
9. The 'Brundtland Commission Report' in 1987 introduced
- (a) Biodiversity conservation
 - (b) Ecological succession
 - (c) Sustainable development
 - (d) Socio-Economic Zones
10. Rachel Carson wrote the book
- (a) Tragedy of the Commons
 - (b) Wings of Fire
 - (c) The Silent Springs
 - (d) All of the above

SECTION: B – SHORT NOTES

Marks:10

Answer *any four* from the following

(2½x4=10)

1. Components of ecosystem.

OR

Energy flow in ecosystem

2. Non-renewable resources

OR

Water resources

3. Levels of biodiversity

OR

Biodiversity hotspot

4. Ozone layer depletion

OR

Point source pollution

5. Silent valley projects

OR

Chipko Movement

(SECTION: C - DESCRIPTIVE)

Marks: 30

The questions are of equal values

Answer any three questions:

10x3=30

1. a) Define environmental studies. Explain in detail the scope and importance of environmental studies.

OR

b) What do you mean by ecosystem? Discuss the structure and functions of an ecosystem.

2. a) What is natural resources. Describe in detail the different types of natural resources with suitable examples.

OR

b) Enumerate the different causes for depletion of natural resources. Deliberate on the measures for the conservation of natural resources.

3. a) What is biodiversity? Describe in detail the major causes for the loss of biodiversity.

OR

b) Give an account of:
(i). Megadiversity
(ii). Ex-situ conservation

4. a) What is soil pollution? Explain the causes and control measures of soil pollution.

OR

b) Write notes on the following:
(i). Sources of noise pollution
(ii). Global Warming

5. a) What do you mean by environmental education. Explain the objectives and guiding principles of environmental education.

OR

b) Write notes on the following:
(i). Sustainable development
(ii). Role of NGOs in environment development
