

E 6306



Reg. No.....

Name.....

B.Sc. DEGREE (C.B.C.S.S.) EXAMINATION, SEPTEMBER 2024

Sixth Semester

Core Course—ENVIRONMENTAL STUDIES AND ECOTOURISM

[(Common for B.Sc. Botany Model I, Model II and B.Sc. Botany and
Biotechnology (Double Core)]

(Prior to 2011 Admissions)

Time : Three Hours

Maximum Weight : 25

Part A (Objective Type)

Answer all questions.

Weight 1 each for a bunch of four questions.

- I. 1 Pneumatophores are found in :
- (a) Hydrophytes. (b) Xerophytes.
(c) Halophytes. (d) Epiphytes.
- 2 Which of the following represent pioneer community of Xerosere ?
- (a) Lichens. (b) Bryophytes.
(c) Phytoplanktons. (d) Zooplanktons.
- 3 Bhopal gas tragedy occurred in :
- (a) 1984. (b) 1986.
(c) 1970. (d) 1980.
- 4 A simple terrestrial food chain on land begins with :
- (a) Phytoplanktons. (b) Grass.
(c) Bacteria. (d) Protozoa.
- II. State true or false :
- 5 The Earth Summit 1992 was held at Rio de Janeiro.
6 Species is not uniform interbreeding population.
7 'Narmada Bachao Andolan' is connected with Madhav Gadgil.
8 Trophic level of food chain consists of only one species.





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III. Give names of the following :

- 9 Non-native species introduced to an area by man.
- 10 Movement associated with Sunderlal Bahuguna.
- 11 Blue baby syndrome is caused by which type of chemical in water.
- 12 The process of successful establishment of a species in a new area.

IV. Fill in the blanks :

- 13 The specific physical space occupied by an organism is called _____.
- 14 _____ is a famous Indian Ornithologist.
- 15 Headquarters of WWF is at _____.
- 16 _____ is an ecological hotspot in Kerala.

(4 × 1 = 4)

Part B (Short Answer Questions)

*Answer any five of the following.
Weight 1 each.*

- 17 What is a food web ?
- 18 Define ecotype.
- 19 What is photoperiodism ?
- 20 Mention the difference between fog and smog.
- 21 Expand IUCN.
- 22 What is biomagnification ?
- 23 What is a red data book ?
- 24 What is micro climate ?

(5 × 1 = 5)

Part C (Short essay/problem solving Type)

*Answer any four of the following.
Weight 2 each.*

- 25 Write a short note on green house effect.
- 26 Enlist the adaptations of halophytes.
- 27 What are ecological indicators ?





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- 28 What are the causes of ground water pollution ?
- 29 What is endemism ? Explain with example.
- 30 Explain the stages of Xerosere.

(4 × 2 = 8)

Part D (Essay Type)

*Answer any **two** of the following.
Weight 4 each.*

- 31 Explain the sources and types of air pollution.
- 32 Bring out the relevance and scope of ecotourism in Kerala.
- 33 Explain the role of NGO's in biological conservation with special reference to India.

(2 × 4 = 8)

