

(i) Printed Pages: 2 Roll No.

(ii) Questions : 5 Sub. Code :

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Exam. Code :

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Bachelor of Arts (FYUP) 1st Semester
(2124)

ENVIRONMENTAL SCIENCE

(Environmental Concepts)

Paper—ENVVAC1

Time Allowed : Two Hours] [Maximum Marks : 40

Note :—Attempt **THREE** questions in total, selecting **ONE** from each unit. Question No. 1 is compulsory.

1. Briefly explain the following :

- (1) What is Goal 15 ?
- (2) Name two gases that contribute to the Greenhouse effect.
- (3) The _____ decibel level is the threshold above which noise exposure can cause permanent hearing damage.
- (4) Significance of composting in solid waste management.
- (5) Decomposers.
- (6) Eutrophication.
- (7) Under the Biodiversity Act, 2002, a _____ is created at the National level to oversee biodiversity-related issues.

(8) Name the person and Indian State that were the focal point of the Chipko Movement.

(9) Food web.

(10) Name two secondary air pollutants. 10×1.5

UNIT—I

2. Differentiate between the following :

(a) Renewable and non-renewable sources.

(b) *Ex-situ* and *in-situ* conservation. 6.5,6

3. (a) Define ecological pyramid. Briefly explain the concept of energy flow in an ecological pyramid.

(b) Why are biodiversity hotspots important for conservation ?
Give three reasons.

(c) Discuss the different levels of organization in an ecosystem. 4,4,4.5

UNIT—II

4. (a) Discuss the main sources of water pollution. Also explain the impact of water pollution on aquatic life, human health, and the environment.

(b) Describe the three solid waste management practices for managing urban wastes. 7.5,5

5. Briefly discuss the following :

(a) Main objectives of Kyoto Protocol.

(b) Outcomes of Silent Valley Movement.

(c) Impact of the Bishnoi Community's conservation practices on the wildlife population in Rajasthan. 4.5,4,4