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NOIDA INSTITUTE OF ENGINEERING AND TECHNOLOGY, GREATER NOIDA**(An Autonomous Institute Affiliated to AKTU, Lucknow)****B.Tech (Working Professional)****SEM: II - THEORY EXAMINATION (2024- 2025)****Subject: Environmental Science****Time: 2 Hours****Max. Marks: 50****General Instructions:****IMP:** Verify that you have received the question paper with the correct course, code, branch etc.**1.** This Question paper comprises of **three Sections -A, B, & C**. It consists of Multiple Choice Questions (MCQ's) & Subjective type questions.**2.** Maximum marks for each question are indicated on right -hand side of each question.**3.** Illustrate your answers with neat sketches wherever necessary.**4.** Assume suitable data if necessary.**5.** Preferably, write the answers in sequential order.**6.** No sheet should be left blank. Any written material after a blank sheet will not be evaluated/checked.**SECTION-A**

15

1. Attempt all parts:-**1-a.** What is the primary role of producers in an ecosystem? (CO 1,K1)

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- (a) make food
- (b) To decompose dead material
- (c) To eat primary consumers
- (d) All of above

1-b. Dysentery is caused due to (CO 2,K1)

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- (a) Impurity in soil
- (b) Impurity in food
- (c) Impurity in water
- (d) Impurity in air

1-c. What is meant by ecological stability? (CO 3,K1)

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- (a) A community's resistance to disturbance
- (b) A community's ability to change
- (c) The absence of disturbances
- (d) The presence of invasive species

1-d. One of the best solution to get rid of non-biodegradable wastes is (CO 4,K2)

1

- (a) Burning
- (b) Dumping
- (c) Land filling

- (d) Recycling
- 1-e. In which year did the UN General Assembly establish the United Nations Commission on Sustainable Development (CSD)? (CO 5,K1) 1
- (a) Wastewater storage
- (b) Waste and water storage
- (c) Waste disposal
- (d) Waste storage

2. Attempt all parts:-

- 2.a. Name the segment of environment? (CO 1,K1) 2
- 2.b. Name two renewable and two non-renewable energy recourses. (CO 2, K2) 2
- 2.c. What are the different approaches to biodiversity conservation in India? (CO 3, K2) 2
- 2.d. How does industrial discharge contribute to water pollution? (CO 4, K1) 2
- 2.e. Explain the difference between a hazard and a disaster. (CO 5, K2) 2

SECTION-B

15

3. Answer any three of the following:-

- 3-a. Explain the biotic and abiotic components of ecosystem? (CO1, k2) 5
- 3-b. Discuss the advantages and limitations of solar energy and wind energy? (CO 2,K2) 5
- 3.c. Discuss the benefits of biodiversity? Name the three types of biodiversity? (CO 3,K2) 5
- 3.d. Describe the causes, effects and control measures of noise pollution (CO 4, K2) 5
- 3.e. Describe the wildlife (Protection Act),1972 (CO 5,K1) 5

SECTION-C

20

4. Answer any one of the following:-

- 4-a. Discuss the different segments of atmosphere? (CO 1, K11) 4
- 4-b. Describe the significance of food chain and food web? Name the different types of food chain? (CO 1, K1) 4

5. Answer any one of the following:-

- 5-a. Explain any four reasons for the depletion of forest resources in India.? (CO 2, K1) 4
- 5-b. Define the term natural recourses?Classify renewable and non-renewable natural resources? (CO 2, K2) 4

6. Answer any one of the following:-

- 6-a. Define the term ecological succession? Name the different steps of ecological succession? (CO 3, K2) 4
- 6-b. Define the term biodiversity? Name the different types of biodiversity? (CO 3,K1) 4

7. Answer any one of the following:-

- 7-a. Define the term solid wastes? Discuss the sources, effect and control measures of solid waste? (CO 4, K2) 4
- 7-b. . Discuss the causes and effects of global warming and acid rain? (CO 4,K1) 4
8. Answer any one of the following:-
- 8-a. Discuss the objectives and steps of EIA? (CO 5, K2) 4
- 8-b. Discuss the the salient features of environmental protection act (EPA)? (CO 5, K2) 4

REG:JAN_JUN-2025