

Write the following information in the first page of Answer Script before starting answer

ODD SEMESTER EXAMINATION: 2020-21

Exam ID Number _____

Course _____ Semester _____

Paper Code _____ Paper Title _____

Type of Exam: _____ (Regular/Back/Improvement)

Important Instruction for students:

1. Student should write objective and descriptive answer on plain white paper.
2. Give page number in each page starting from 1st page.
3. After completion of examination, Scan all pages, convert into a single PDF and upload to the Google classroom as attachment.
4. Exam timing from 10am – 1pm (for morning shift).
5. Question Paper will be uploaded before 10 mins from the schedule time.
6. Additional 20 mins time will be given for scanning and uploading the single PDF file.
7. Student will be marked as ABSENT if failed to upload the PDF answer script due to any reason.

B.Sc. ZOOLOGY
FIRST SEMESTER
ECOLOGY
BSZ - 102

Duration: 3 hrs.

Full Marks: 70

(**PART-A: Objective**)

Time: 20 min.

Marks: 20

Choose the correct answer from the following:

1×20=20

1. What is the full form of CITES?
 - a. Convention on International Trade in Exotic Species
 - b. Convention on International Trade in Exotic Species of Wild Fauna
 - c. Convention on International Trade in Exotic Species of Wild Fauna and Flora
 - d. None of these
2. Which section of the Wildlife Protection Act of India deals with the declaration of Community Reserve?
 - a. Section-17
 - b. Section-34
 - c. Section-35
 - d. None of these
3. The role of EIA is to _____ of the project.
 - a. Modifying the design
 - b. Improve the design
 - c. Justification of the proposal
 - d. All of these
4. In case of wildlife sanctuary, the land belongs to –
 - a. Government
 - b. Community
 - c. Both a&b
 - d. None of these
5. The previous name of IUCN was –
 - a. International Union for Protection of Nature
 - b. World Conservation Union
 - c. Both a&b
 - d. None of these
6. Which of the following gas is categorized as particulate pollutants?
 - a. SO₂
 - b. SO₃
 - c. NO_x
 - d. None of these
7. Which of the following gas is responsible for pre-mature ageing in plant?
 - a. O₂
 - b. CO
 - c. CO₂
 - d. All of these
8. The main global contributing factors to greenhouse- gas emissions are-
 - a. Industrial processes
 - b. Agricultural processes
 - c. Agriculture and transportation
 - d. None of these

(PART-B : Descriptive)

Time: 2hrs 40mins.

Marks: 50

[Answer question no.1 & any four (4) from the rest]

1. Define soil pollution. Write the major sources of soil pollutants and mention the effect of soil pollution. 2+4+4=10

2. How many sections and chapters are there in the Wildlife Protection Act of India? State the various definitions briefed in this act. 2+8=10

3. What do you mean by EIA? Brief the process of EIA and also mention its advantage. 1+5+4=10

4. What is a biogeochemical cycle? Mention the Nitrogen and Sulphur cycle. 4+6=10

5. Define ecosystem. Brief the structure of an ecosystem. Also write the principle of energy flow in an ecosystem. 1+5+4=10

6. Explain Leibeg's Law of Minimum and Shelford's Law of Tolerance. Explain the significance of limiting factors. 5+5=10

7. What is a population? Explain the different aspects that characterize a population. 3+7=10

8. Write short on : 5+5=10
 - a. Ecotone
 - b. Edge Effect

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