



Seat No. _____

HP-003-1192003
M. Sc. (Sem.-II) Examination
April - 2023
Micro-209 : Environmental Science

Faculty Code : 003
Subject Code : 1192003

Time : $2\frac{1}{2}$ Hours / Total Marks : 70

- 1 Answer the following: (Any seven out of Ten, each of 02 marks) **14**
- (1) What are the scopes of environmental science?
 - (2) Define: Ecosystem.
 - (3) Define: Food web and Food chain.
 - (4) Give the difference between gross primary productivity and net primary productivity.
 - (5) What is trophic efficiency?
 - (6) Define ecology.
 - (7) Define: Prey and Predator?
 - (8) Enlist primary pollutants.
 - (9) What is EIA?
 - (10) Define: Ozone depletion.
- 2 Answer the following: (Any two out of Three, each of 07 marks) **14**
- (a) Describe physical and biological factors in the environment.
 - (b) Write short note on the scale of meteorology.
 - (c) Give an account of geographical classification and zones.
- 3 Answer the following: (each of 07 marks) **14**
- (a) Explain the adaptive mechanism used by animals in Desert climatic conditions.
 - (b) Give a brief overview of Sanctuaries and National Park.

OR

- 3** Answer the following: (each of 07 marks) **14**
- (a) Energy flows through the ecosystem? Explain.
 - (b) Explain the adaptive mechanism used by plants in the tropical rain forest.
- 4** Answer the following: (each of 07 marks) **14**
- (a) Briefly describe the analysis of water quality.
 - (b) What is air pollution? Describe its natural and anthropogenic sources.
- 5** Answer the following: (Any two out of four, each of 07 marks) **14**
- (a) Write a short note on Environmental Management Plan (EMP).
 - (b) Write a brief note on Global environmental problems.
 - (c) Write a note on the applications of GIS on EIA.
 - (d) Briefly describe the remote sensing applications of Aerial Photography.
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