

UNDER GRADUATE (M.B.B.S.) EXAMINATION, DECEMBER - 2022
ENVIRONMENTAL SCIENCES

[Time allotted: Three Hours]

[Max Marks: 100]

Note: Attempt all sections

SECTION A

- Q. 1.** Attempt **any 5** questions. (Short Answer Type Questions) **(5 x 6 = 30)**
- a. Brief the need of environmental awareness.
 - b. Differentiate between grassland and forest ecosystem.
 - c. Write the regulative functions of forest.
 - d. Write short note on hotspots of biodiversity in India.
 - e. Differentiate between primary and secondary air pollutants.
 - f. Write the chemical reaction for ozone layer depletion.
 - g. Write salient features of Environmental Protection Act – 1986.
 - h. Brief the concept of carbon footprint.

SECTION B

- Q. 2.** Attempt **any 4** questions. (Essay Type Questions) **(4 x 10 = 40)**
- a. Describe about the segments of environment in detail.
 - b. Explain the concept of flow of energy and cycling of matter in an ecosystem.
 - c. Water crisis are increasing day by day. How this problem can be managed?
 - d. Brief about global biodiversity. Write any five services of biodiversity to mankind.
 - e. Give an account of the adverse effects of air pollution.
 - f. Explain the process of acid rain formation and its effects on environment and material.
 - g. Explain the concept of rehabilitation and its effects on environment and human communities.

SECTION C

Attempt **any 1** question. (Essay Type Question on Field visit) **(1 x 30 = 30)**

- Q. 3.** Explain your field visit experience in detail and discuss the importance awareness in environmental protection.

OR

‘Environmental problems are increasing day by day’. Justify this statement and explain your field visit experiences.