

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

[Time allotted: Three Hours]

[Max Marks: 100]

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**Note:** Attempt all sections

**SECTION A**

- Q. 1.** Attempt **any 5** questions. (**Short Answer Type Questions**) **(5 x 6 = 30)**
- a. Write short note on hydrosphere
  - b. Characteristics of forest ecosystem
  - c. Impacts of big hydropower dams on environment.
  - d. Causes of biodiversity loss.
  - e. Control of noise pollution.
  - f. Natural causes of climate change.
  - g. Write chemical reactions for ozone layer depletion.
  - h. Objectives of sustainable development.

**SECTION B**

- Q. 2.** Attempt **any 4** questions. (**Essay Type Questions**) **(4 x 10 = 40)**
- a. Explain the structure of atmosphere in detail.
  - b. What is ecosystem? Describe the structure of ecosystem.
  - c. Classify energy resources. Write any five limitations of burning of fossil fuels.
  - d. Explain the importance of biodiversity and its values.
  - e. Describe the process of sewage treatment with diagram.
  - f. What do you mean by climate change? Brief its causes and consequences.
  - g. Discuss the role of an individual in natural resources conservation.

**SECTION C**

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

- Q. 3.** a. Discuss your role, as an individual, in maintaining the environmental quality. Brief your observations based on field experiences/visit/studies.

**OR**

- b. Discuss the significance of environmental education. Share your field experience with reference to environmental quality and importance of natural assets.