

[This question paper contains 3 printed pages.]

Sr. No. of Question Paper : 746

E

Your Roll No.....

Unique Paper Code : 218281

Name of the Course : B.Sc. (Hons.)/B.Sc. Physical Science/Life Science

Name of the Paper : ESQP (Qualifying paper)

Semester : II

Duration : 3 Hours

Maximum Marks : 50

**Instructions for Candidates**

1. Write your Roll No. on the top immediately on receipt of this question paper.
2. Answer five questions in all, including question no. 1 which is compulsory.
3. Attempt all parts of a question together.

1. Define any ten of the following:

- (i) Biofuel
- (ii) Toxicants
- (iii) PM10
- (iv) Eutrophication
- (v) Extinction
- (vi) Acid rain
- (vii) Ground water
- (viii) Tropical rain forest
- (ix) Pollutant permissible limit
- (x) Mineralization

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- (xi) Bioresource
- (xii) Biomagnification (10×1=10)
2. (a) Differentiate between any two of the following with examples:
- (i) Climate Change and Global Warming
  - (ii) Mutagen and Carcinogen
  - (iii) Thermal Power Plant and Hydro-electric Power Plant (2×2½=5)
- (b) Expand any five of the following abbreviations:
- (i) BOD
  - (ii) MIC
  - (iii) POP
  - (iv) CPCB
  - (v) PNG
  - (vi) FRI (5×1=5)
3. (a) Discuss the probable impact of global warming on the environment. (5)
- (b) Explain environmental and economic benefits of the use of renewable over non-renewable energy resources. (5)
4. (a) Explain how ex situ measures contribute towards conservation of biodiversity. (5)
- (b) Elaborate the occupational hazards of handling biomedical wastes. (5)
5. Answer the following:
- (a) List the major sources of pollutants in aquatic ecosystems. (2)

- (b) Briefly discuss various kinds of diseases caused due to the use of contaminated water. (4)
- (c) Suggest remedial measures to improve the quality of water in such ecosystems. (4)
6. (a) 'Biodiversity conservation is essential for economic development.' Explain with suitable examples. (5)
- (b) What is the major cause of ozone depletion? How does it affect humans? Suggest a few remedial measures to combat this problem. (5)
7. Write brief notes on any **four** of the following:
- (a) Sustainable development
- (b) Noise pollution
- (c) Genetic diversity
- (d) Soil degradation
- (e) Environmental impact of open cast mining (4×2½= 10)