

This question paper contains 4 printed pages]

Your Roll No.

5183

B.Sc.(H)/B.Sc. Phy. Sc./Life Science B

(Qualifying Paper)

Paper-ESQP

ENVIRONMENTAL STUDIES

(Admission of 2010 and onwards)

Time : 3 Hours

Maximum Marks : 50

(Write your Roll No. on the top immediately on receipt of this question paper.)

Answer *five* questions in all, including

question no. 1 which is compulsory.

Attempt *all* parts of a question together.

1. Define any *ten* of the following terms :

(i) Environment

(ii) Resource

(iii) Pollution

(iv) Conservation

(v) Biodiversity

P.T.O.

- (vi) Deforestation
- (vii) Biosphere
- (viii) Hot Spot
- (ix) Carcinogen
- (x) Endemic Species
- (xi) Sustainable Development
- (xii) Wetland.

10×1=10

2. (a) Differentiate between any *two* of the following :

- (i) Renewable and Non-renewable Resources.
- (ii) Ex-situ and In-situ Conservation.
- (iii) Ozone as protector and Ozone as destroyer.

2×2.5=5

(b) Expand any *five* of the following abbreviations :

- (i) CPCB
- (ii) CFC
- (iii) IUCN
- (iv) SPM
- (v) PAN
- (vi) CNG.

5×1=5

3. Write short notes on any *four* of the following :
- (i) Impact of urbanization on environment
 - (ii) Importance of forest as a resource
 - (iii) Noise Pollution
 - (iv) Global Warming
 - (v) Threats to biodiversity. 4×2.5=10
4. (a) Discuss briefly the methods employed in conservation of soil. 5
- (b) Discuss the measures being taken in Delhi to clean the waters of Yamuna. 5
5. Justify any *two* of the following statements :
- (i) "Public awareness is a must to solve environmental issues."
 - (ii) "The nation that destroys its soil destroys itself."
 - (iii) "India is a megadiversity nation." 2×5=10
6. (a) Discuss the strategies you will adopt as a responsible citizen for sustainable development of India. 5
- (b) Explain the consequences of over-utilization of water resources. 5
7. (a) How do human population and pollution affect biodiversity ? 5

(b) Give the significance of the following dates in environmental issues :

- (i) April 24, 1973
- (ii) June 5, every year
- (iii) June 3-14, 1992
- (iv) April 22, every year
- (v) March 21, every year.

5

8. State whether the following statements are true or false :

- (i) Newspapers, TV and NGOs create public awareness about the environment.
- (ii) Ozone protects biosphere from X-rays.
- (iii) Noise pollution is measured in decibels.
- (iv) Red tide is associated with soil pollution.
- (v) Mining has adverse effects on groundwater.
- (vi) Habitat is a place where an organism naturally occurs.
- (vii) Dodo was extinct due to pollution.
- (viii) DDT is a nerve poison.
- (ix) Minamata disease is caused by mercury poisoning.
- (x) The principal cause of acid rain is gases from burning coal and oil dispersed in water in the atmosphere.

10×1=10