

2018

M.Sc.

Part-II Examination

ENVIRONMENTAL SCIENCE

PAPER—VII

Full Marks : 100

Time : 4 Hours

The figures in the right-hand margin indicate full marks.

Candidates are required to give their answers in their own words as far as practicable.

Illustrate the answers wherever necessary.

Answer Q. No. 1 and any five questions from the rest.

1. Make a brief note on any ten of the following : 10×2

- (i) Biosphere reserves.
- (ii) 42-amendment of Indian Constitution.
- (iii) Ecosensitive areas.
- (iv) National Biodiversity Authority.
- (v) Disaster Management Cycle.

(Turn Over)

- (vi) Functions of UNEP.
 - (vii) Ecological Refugee.
 - (viii) PIL related to wetland protection in West Bengal.
 - (ix) ENVIS.
 - (x) National Green Tribunal.
 - (xi) Biomonitoring of water quality.
 - (xii) CBD.
 - (xiii) Potentially renewable resources.
 - (xiv) CRZ notifications.
 - (xv) Industrial notice standard as adopted by WHO.
2. Critically discuss the waste minimization technologies of Municipal solid waste management process. 16
3. Write down the ambient air quality standard, 2009. 16

4. Write brief notes on any two of the following : 8+8
- (a) Purpose of enactment of Forest (Conservation) Act, 1980.
 - (b) Methods of disposal of solid waste in a coal thermal power plant.
 - (c) International laws of the sea.
5. Critically discuss the current state Hospital wastes management in West Bengal. 16
6. Narrate the various steps involved in the implementation of environmental laws in India with reference to the role of Judicial systems. 16
7. What is access benefit sharing issues ? Discuss the status of such mechanism implementation in India. 4+12
8. Write the major problems of environmental protection of wetlands in India. 16

9. Give an outline of national forest policy, 1988 with special reference of joint forest management implementation.

16

10. (a) Discuss in detail the steps involved in disaster management of a flood prone site.

(b) What are the different steps of risk analysis? Mention with suitable example.

8+8