

2014

M.Sc. Part-I Examination

ENVIRONMENTAL SCIENCE

PAPER—II

Full Marks : 100

Time : 4 Hours

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

Candidates are required to give that 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. Answer any ten of the following : 10×2

(i) Mention the criteria for designating an area as 'National Park'.

(ii) What is meant by 'Green—Tourism'?

(Turn Over)

- (iii) What are the direct effect of urban forestry on environment ?
- (iv) What is the need of Germ Plasm Bank ?
- (v) Briefly mention the role of KSSP ?
- (vi) Mention any two drawbacks of introduction of exotic plants in India.
- (vii) What are the components of 'biogas' ?
- (viii) Write any two outcomes of 'Ramsar convention' at Iran 1971.
- (ix) Mention any four components of fly ash ?
- (x) Where is the 'Teheri Dam' locate ? State any one hazards relate to this dam.
- (xi) What are the characteristics of physiological dry soil ?
- (xii) Highlight significance of 'Biodiversity'.
- (xiii) State two outcomes of 'Tbilisi conference'.
- (xiv) Mention any two health effect originated due to 'Global Warming'.
- (xv) Enlist the sources of methanes.

2. What are the difference between environmental movement and political movement. Mention briefly any one biodiversity conservation movement in India. Highlight goal and characteristic of 'Narmado Banchoo Andalon'.
- 3+6+7
3. Write short notes —
- (a) Threats and significance of Wetlands in India.
- (b) Mechanism of rain water hervesting in urban area.
- 12+4
4. Briefly describe the sources and effects of fluoride pollution in India. Mention the causes of goiter in developing country's.
- 4+8+4
5. Explain the concept of 'river linking project'. What are the benefits and problems with dam construction. What will be the possible solutions to minimise the problem of dams.
- 6+7+3
6. Write notes :
- (a) Environmental education and role of media.
- 8+8
- (b) Environmental consequences of climate change.
7. Draw the relationship between ground water with surface water. Discuss the procedure and effect of desertification. Add a note on the role of wetlands on sustainable water management.
- 4+7+5

8. Write note notes :

- (a) Vehicular pollution status of major cities of India;
- (b) Black foot diseases;
- (c) Life cycle of Malaria parasite and its relation with environment.

5+3+8

9. Briefly describe the soil horzone with a labelled diagram. Mention the causes of soil degradation. Briefly discuss the procedure of soil conservation with examples.

5+3+8
