2016

M.Sc. Part–I Examination

ENVIRONMENTAL SCIENCE

PAPER—IV

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* from the following : 10×2

(i) What is checklist method of impact evaluation?

(ii) What is meant by restoration of environment?

(Turn Over)

(iii) Why is subjective assessment done for understanding relative importance of human action on environment ?

(iv) Why are small check dams favoured over large dams ?

(v) What are the objectives of EIA ?

(vi) What is restoration ecology ?

(vii) What are the stages of EMP preparation ?

(viii) What are the possible hydrological impacts of industrialisation ?

(ix) What is TOR ?

(x) What is wildlife schedules ?

(xi) What is ecosensitive area ?

(xii) What are the aims of green audit ?

(xiii) What is artificial recharge of water ?

(xiv) What is corporate responsibility towards environment ?

(xv) What are CRZs ?

2. Prepare a checklist to identify possible impact of opencast mining on physical and social environment. 8+8

3. Elaborately discuss the steps involved in Baseline information on environmental data collection. 16

4. Discuss the methods adopted for assessment of land use – land cover studies in any EIA. 16

5. Describe two important success stories of sustainable development in India. 8+8

6. Write an outline of landuse policy in India. What are the physical impact of massive land use conversion involved in large dam construction ? 6+10

7. Discuss the process of Environmental clearance with an example. 16

8. Present the guidelines for environmental audit in brief. Assess the importance of continuous monitoring on environmental impact. 8+18

9. Write the steps involved in EIA studies in relation to social impact survey. 16