

2011

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 of the following : 2×10

- (i) What is the significance of 'Environmental planning'?
- (ii) What is IEA?
- (iii) What do you mean by 'EIS'?
- (iv) What is 'Environmental Inventory'?
- (v) Define 'Urban landuse'.
- (vi) What is EMP?
- (vii) Difference between rural & urban planning.
- (viii) What is endemic species?
- (ix) What is land degradation?
- (x) What is potable water?
- (xi) What is 'biomass'?
- (xii) Who initiated J.F.M. in West Bengal and in which year?
- (xiii) What is 'agricultural land-use planning'?

(Turn Over)

- (xiv) Define the Development & Displacement.
 (xv) What do you mean by sustainable agriculture?
 (xvi) Define agroforestry.
2. Discuss the scope of EIA and importance of EIA with reference to Environmental Management perspective. 8+8
 3. State main types of environmental impacts of developmental project. Give a brief account of the 12 steps of EIA as identified by UNEP (1996). 6+10
 4. Write down differences in EIA notifications of 1994, 2006 and 2009. Give a brief idea about the procedure for public hearing. 12+4
 5. What do you mean by Environmental Management Plan? How the EMP will be implemented in a particular area/region with suitable example? — Discuss. 6+10
 6. What are the problems of Unplanned urbanization? Critically explain the environmental distress with special reference to Indian Cities. 6+10
 7. Give an outline of ecorestoration of open cast mining area. 16
 8. What is Environmental Audit? Environmental audit is most important for protection of Environment — Discuss with suitable examples. 4+12
 9. Critically discuss the land use policy of India with suitable examples. 16
 10. Briefly explain the concept and strategies of Sustainable Development. Add a note on the ethics of sustainable development. 12+4