

M.Sc. Part-I Examination, 2013

ENVIRONMENTAL SCIENCE

PAPER — IV

Full Marks : 100

Time : 4 hours

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

*The figures in the right-hand margin indicate marks
Candidates are required to give their answers in their
own words as far as practicable*

Illustrate the answers wherever necessary

1. Answer any *ten* of the following : 2×10
- (i) What is Eco-restoration ?
 - (ii) What is environmental clearance ?
 - (iii) Define EIS.
 - (iv) What is JFM ?

(Turn Over)

- (v) Define Urban planning.
- (vi) What is Environmental audit ?
- (vii) What is bio-diversity register ?
- (viii) What is post project monitoring ?
- (ix) What is primary environmental data ?
- (x) What is Environmental planning ?
- (xi) What is endemic species ?
- (xii) What is land degradation ?
- (xiii) What is wind rose ?
- (xiv) State the role of Central Pollution Board.
- (xv) What is Impact Evaluation ?
2. Explain meaning of EIA and its scope. Describe different ways for its introduction during work. (6 + 10)
3. Describe the environmental management systems and prepare a plan of management with its demerits. (6 + 10)

4. Describe the EIA notifications of 1994, 2006, and 2009. What are the procedure of public hearing ? (12 + 4)
5. What are the major problems of Indian town and cities ? Critically define the environmental distress to evaluate the crisis. (8 + 8)
6. What is multipurpose river valley project ? Discuss the cost-benefit analysis of any such project. (4 + 12)
7. Define Cost-Benefit analysis of a study, what types of environmental management systems to be recommended for future prospects. (6 + 10)
8. What are the major problems of Development ? Why these problems are related to displacement. –Discuss. (8 + 8)
9. Describe rehabilitation technologies for environmental management and show the restoration process for sustainable development. (16)