

2017

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 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. Answer any ten from the following : 10×2
- (i) What are the functions of Environmental appraisal committee ?
 - (ii) What is greenbelt ?

(Turn Over)

- (iii) What are need for public consultation in EIA ?
- (iv) What is matrix method of impact prediction ?
- (v) What are the criteria used for citing of projects in coastal area ?
- (vi) What is greenfield project ?
- (vii) What do you mean by 'critically polluted area ?
- (viii) What is public hearing ?
- (ix) What are the adverse air pollution impact mitigation of a open cast mine ?
- (x) What is urban planning ?
- (xi) Define keystone species.
- (xii) What is biotreatment ?
- (xiii) State the principles of sustainable energy Management.
- (xiv) What is energy audit ?
- (xv) What are environmental standards ?
2. What is ecorestoration ? Discuss the steps involved in ecorestoration of open cast nine areas. 4+12

3. What is environmental planning ? Discuss environmental planning of sustainable cities. 4+12
4. What is environmental audit ? Discuss the process of environment audit in India. 4+12
5. What is environment management plan ? Describe salient features of Environmental management plan. 4+12
6. By means of a flow chart(s), show different steps to obtain environmental clearance of projects. Mention the documents needed for environmental clearance of a project. 8+8
7. What do you understand by sustainable development ? Explain how sustainable management of resources will help in reducing the green house effect. 4+12
8. Discuss about the landuse policy in India. Write down the impacts associated with large dam construction. 8+8
9. Briefly discuss the administrative framework for environmental protection in India. What are the key functions of MOEF, CPCB and SPCB ? 7+(3×3)

10. What is environment impact evaluation ? Write down a suitable impact evaluation method along with their merits and limitations.

4+12
