

This question paper contains 4 printed pages.

4645

Your Roll No.

B.Sc. Prog. / III

AS

**ES-302 : ENVIRONMENTAL PROTECTION
AND MANAGEMENT**

Time : 3 hours

Maximum Marks : 75

*(Write your Roll No. on the top immediately
on receipt of this question paper.)*

Attempt Sections A and B on separate answer sheets.

SECTION A

1. (a) Expand any *three* of the following:

(i) CPCB

(ii) CDM

(iii) UNEP

(iv) WWF

(v) IPCC.

3

(b) Fill in the blanks:

(i) World Summit on was held at
Johannesburg in 2002.

(ii) is a convention regarding wetlands of
international importance.

P. T. O.

(iii) Notification of EIA of development projects in India was issued under the provisions of the Act.

(iv) is an international treaty to counter ozone layer depletion. 4

(c) Explain any *four* of the following:

(i) Environmental Impact Assessment

(ii) Eco-city

(iii) Inter-generational equity

(iv) Polluter pays principle

(v) The Air Act, 1981. 4×2=8

2. Comment on any *three* of the following:

(a) Kyoto Protocol

(b) Public Interest Litigation

(c) Tehri dam project— major concerns

(d) Applications of GIS in environmental protection

(e) Articles 21 and 51A(g) of the Constitution of India. 3×5=15

3. (a) Outline the steps in an idealized EIA process. Name any *two* projects for which EIA is mandatory in India. 4+1=5

- (b) What are the salient features of the Forest (Conservation) Act, 1980 of the Constitution of India? 3

Or

- (a) Explain the duties of CPCB according to the Water Act, 1974. 3
- (b) Write a short note on Article 48A of the Constitution of India. 3
- (c) Write a short note on the Chipko movement. 2

SECTION B

*Attempt three questions in all, including
Q. No. 4 which is compulsory.*

4. (a) Define:
- (i) Tsunami
 - (ii) Hazardous waste
 - (iii) Biofertilizers
 - (iv) Bioremediation. 4
- (b) Expand the following abbreviations:
- (i) INSAT
 - (ii) NIDM
 - (iii) IAEA. 3

- (c) Comment on any *two* of the following:
- (i) Microbes and solid waste management
 - (ii) Public Liability Act
 - (iii) Control of industrial air pollution. 3,3
5. Describe the various practices for the management of water resources and their protection against pollution. 12
6. (i) Give an account of the principle, types and advantages of remote sensing. 6
- (ii) Describe the method of biological control of insect pests and its usefulness in protection of environment. 6
7. Write short notes on any *three* of the following:
- (i) Gujarat earthquake
 - (ii) Disposal of biomedical wastes
 - (iii) Organic farming
 - (iv) Noise pollution management. 4,4,4