

Q.P. Code : 28604

(2 Hours)

[Total Marks : 60]

- N.B. : (1) All questions are compulsory.
(2) Answer any three from Question No 2 to 6
(3) Draw neat diagrams wherever necessary

1. Attempt any five from the following: -

15

- (a) Discuss the global environmental crisis.
- (b) Explain in brief the concept of socio-economical aspect of sustainable development.
- (c) Discuss coagulation and flocculation in water treatment.
- (d) Define the term "Noise Pollution" and explain its causes.
- (e) What are the general powers of the Central Government stated in Chapter-11 of the Environmental Protection Act 1986?
- (f) Which are the various renewable sources of energy?
- (g) What is the role of technology with respect to environment and health?

2. Answer the following:-

15

- (a) How is environmental education important for sustainable development?
- (b) What are the constituents in the municipal solid waste?
- (c) What are the limitations of conventional sources of energy?

3. Answer the following:-

15

- (a) How ozone is getting depleted from the atmosphere? Explain with chemical reactions.
- (b) What are the important functions of Central Pollution Control Board?
- (c) Explain the main aspects of Disaster Management Technique in detail.

4. Answer the following:-

15

- (a) Write a note on depleting nature of environmental resources- minerals.
- (b) What environmental clearances are required to set up an industrial unit?
- (c) Explain the working principle of generating electricity by using wind energy.

5. Answer the following:- 15
- (a) What do you mean by "3R" with respect to sustainable development?
 - (b) What do you understand by "Green House Effect"?
 - (c) State the working of Photovoltaic Cell used for solar energy.
6. Answer the following:- 15
- (a) Discuss the importance of Environmental Study.
 - (b) Draw a neat labelled diagram of "Venturi scrubber" and brief its working.
 - (c) Explain the terms Tsunami and Earthquake.

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