

Q.P. Code :02741

[Time: Three Hours]

[Marks:80]

Please check whether you have got the right question paper.

- N.B:
1. All Question are compulsory.
 2. Draw neat diagrams wherever necessary.
 3. Figures to the right indicate full marks.

- Q.1 a. "switching off the fans when not in use" is an example of which of 3Rs of control measures, define and justify (01)
- b. Define sustainable development. (01)
- c. Give two examples of reuse (01)
- d. Define: Landfill (01)
- e. Enlist two fossil fuels (01)
- f. Enlist chemicals produced during acid rain (02)
- g. Name two indoor air pollutants and their effects (02)
- h. What is Blue Baby Syndrome? (02)
- i. Explain the concept of Municipal Solid Waste. (02)
- j. State the need of Environment Studies (02)
- k) Explain secondary Air Pollutants with examples. (02)
- l) Define: Carbon credits (02)
- m) Explain the term "Environmental Impact Assessment" and state its objectives (02)
- Q.2 a. What are the causes and methods of treatment of E-pollution (04)
- OR**
- What are the causes and effects of water pollution.
- b. Explain the constitution of Ministry of Environment and forest. Enlist their roles and duties. (04)
- c. Explain the 3R system with suitable examples (04)
- Q.3 a. Explain the principle of hydropower generation with suitable diagram. (04)
- OR**
- Explain the principle and working of flash Steam plant with suitable diagram
- b. Classify Municipal Solid Waste. Write a note on incineration (04)
- c. Discuss the entire procedure for obtaining Environments Clearance. (04)
- Q.4 a. What do you mean by Green Buildings? What are its benefits? (04)

(P.T.O)

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b. Describe “Ganga Action Plan”

(04)

OR

Explain “Taj Mahal” as a case study in environment legislation.

c. Differentiate between renewable and non-renewable sources of energy and justify sun as a source of renewable energy. (04)

Q.5 a. Describe Carbon Cycle with help of diagram

(04)

OR

Describe the role of technology in Environment.

(04)

b. Write a note on techniques of disaster management with reference to earthquake.

c. Describe the causes and effects of depleting nature of forests in the environment.

(04)

Q.6 a. What is geothermal energy? Enlist its farms and give its applications.

(04)

OR

Write a note on Ecological pyramids.

b. Explain “Photochemical smog” causes, effects and Preventive measures.

(04)

c. Explain the principle and working of flat plate collector with diagrams.

(04)