

QP Code : 529803

(2 Hours)

[Total Marks : 60

- N.B. :** (1) Question no. 1 is **compulsory**
(2) Attempt **any three** questions from the **Q. 2 to Q. 6.**
(3) Draw **neat diagrams wherever necessary.**
(4) **Figures** to the **right indicate full marks.**

1. Attempt **any five** questions from following :- **15**
- (a) Explain the role of Ministry of Environment and Forest' (MoE & F) towards conservation of environment.
 - (b) What are the causes and effects of photochemical smog?
 - (c) Which are the renewable sources of energy? Why there is growing emphasis given on renewable energy sources?
 - (d) Explain briefly the concept of Green Buildings.
 - (e) What are the environmental aspects of sustainable development?
 - (f) What is Food Web? Explain giving suitable example.
 - (g) Explain the causes and effects of E-pollution.
2. (a) Explain the importance of 3R -principle as a control measure for sustainable development. **5**
- (b) What is solid waste? Explain solid waste management by composting. **5**
- (c) Draw a suitable diagram and explain how solar energy can be harnessed using photovoltaic cells. **5**
3. (a) What causes Global Warming? What are its adverse effects? **5**
- (b) Explain important powers and functions of Central Pollution Control Board (CPCB). **5**
- (c) Which are the Indoor Air Pollutants? What effects are produced on account of them? **5**
4. (a) Why there is global environmental crisis pertaining to water? **5**
- (b) Explain important features of environmental clearance and authorization mechanism. **5**
- (c) Draw a suitable diagram of flat plate collector and explain its working. **5**
5. (a) Explain how environmental education is an important measure for sustainable development. **5**

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- (b) What are the causes and effects of Noise Pollution? 5
 - (c) Draw a neat sketch of a wind -mill and explain its role in generation of energy. 5

 - 6. (a) What are Carbon Credits? Explain with suitable example. 5
 - (b) What are the reasons and effects of depletion of natural forest resources. 5
 - (c) Draw a neat diagram of Bag House Filter and explain its working. 5
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