

(Time: 2 Hours)

[Total Marks: 60]

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

- Q.1 Attempt the following:- 15**
- a How does Biomass and Energy flow are related in Ecological pyramid?
 - b With suitable example explain the concept of food -web.
 - c Explain the classification of Eco system.
 - d Explain the global environmental crisis caused on account of growing population.
 - e What are the feature of ecological succession.
- Q.2 Attempt the following:- 15**
- (a) Explain in brief, what is food chain. **05**
 - (b) List out objectives of Environmental Education. **05**
 - (c) Draw a neat and labeled diagram of venturi scrubber used for purification of air pollutants. Give the principle involved in venturi scrubber. Give advantages and disadvantages of venturi scrubber. **05**
- Q.3 Attempt the following:- 15**
- (a) What are power and function of State Pollution Control Board? **05**
 - (b) Explain what are the reasons and impact of depleting nature of forest resources. **05**
 - (c) What is solid waste management? How solid waste management is done by land filling? **05**
- Q.4 Attempt the following:- 15**
- (a) Define solar energy. Give the principle involved in photovoltaic cell. Give advantages and disadvantages of solar energy. **05**
 - (b) Explain Socio-Economical aspects of Sustainable development. **05**
 - (c) What is ecological pyramid? How energy flow across pyramid? **05**
- Q.5 Attempt the following:- 15**
- (a) In what way appropriate technology can lead to better Sustainable development. **05**
 - (b) How is environmental education important for sustainable development? **05**
 - (c) Define E-pollution. State sources of E-pollution. State effects of E-pollution. **05**
- Q.6 Attempt the following:- 15**
- (a) Explain the concept and objectives of green building. **05**
 - (b) What are the reason for depleting nature of our mineral resources? **05**
 - (c) What are reasons and effects of global warming? **05**