

ENVIRONMENTAL STUDIESSub Code – **BST 501**

Full Marks: 70

Time: 3 hours

Answer any **FIVE** Questions

The figures in the right-hand margin indicate marks

1. (a) Define an ecosystem. 2
 (b) What do you mean by food chain and foodweb? 5
 (c) What are ecological pyramids? Why the pyramids of energy provides the best graphical representation of ecosystem? 7
2. (a) Define over grazing. 2
 (b) Explain deforestation. Discuss its causes and control measures. 5
 (c) What are the mineral resources in India and mention its types? How mining effects the environment? 7
3. (a) Define biological diversity. 2
 (b) What do you mean by genetic, species and ecosystem diversity? 5
 (c) What measures/strategies should be adopted for habitant conservation in developing countries? 7
4. (a) Discuss the role of an individual in prevention of pollution. 2
 (b) Discuss rain water harvesting. What are the advantages of this technique? 5
 (c) What do you understand by climate change? Describe the role of public awareness in environment protection. <https://www.sctevtonline.com> 7
5. (a) Write short note on world food problem. 2
 (b) Explain the importance of family welfare programs. 5
 (c) What do you mean by human rights and explain the fundamental human rights? 7
6. (a) What do you mean by global warming? 2
 (b) Discuss the role of information technology in “environment & human health”. 5
 (c) Explain the various causes of water pollution. Discuss their effects and measures to control them. 7
7. Write short notes on : $3\frac{1}{2} \times 4$
 (i) Food chain
 (ii) Solid waste management
 (iii) Ozone layer depletion
 (iv) Radioactive pollution.