

**J-FB-22-00201****B. Tech. EXAMINATION, 2022**

Semester I (CBCS)

ENVIRONMENT AND ECOLOGY

HS-102

Time : 3 Hours

Maximum Marks : 60

*The candidates shall limit their answers precisely within the answer-book (40 pages) issued to them and no supplementary continuation sheet will be issued.*

**Note** : Attempt *Five* questions in all, selecting *one* question from each Sections A, B, C and D. Q No. 9 is compulsory.

**Section A**

1. Deforestation is a curse for human civilization. Explain 10
2. Differentiate between renewable and non-renewable sources of energy. How can India be self-dependent in fulfilling its energy needs ? 10

**Section B**

3. What is the meaning of bio-diversity ? How conservation of bio-diversity affects social, ethical and moral values ? 10
4. Threats to bio-diversity in India. Discuss the issues of habitat loss, endangered and endemic species of India 10

**Section C**

5. Give a detailed view of Environment Protection Acts in India <https://www.hptuonline.com> 10
6. What is the function of Central and State Pollution Boards in the protection of environment. 10

**Section D**

7. What is chemical toxicology ? Explain with reference to water keeping in view the latest human malpractices 10
8. How can solid waste management be the best opportunity for the entrepreneurs in India ? Explain in detail 10

**(Compulsory Question)**

9. Write short notes on the following **5×4=20**
- (i) Over-utilization of natural resources
  - (ii) Scope of environmental studies
  - (iii) Pyramid of biomass
  - (iv) Vienna Convention
  - (v) Benefits of waste water management at present