

[Total No. of Questions - 9] [Total No. of Printed Pages - 2]  
(2125)

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**B. Tech 1st Semester Examination**  
**Environment & Ecology (CBS)**

HS-102

Time : 3 Hours

Max. 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 question in all, selecting one question from each of the sections A, B, C and D. Questions in section E is compulsory.

**SECTION - A**

1. What is a natural resource? Give an account of different natural resources with special reference to India. (12)
2. What is deforestation? How does deforestation affect us? State a few possible steps to check deforestation. (12)

**SECTION - B**

3. What is an ecological pyramid? Make a comparison of numbers, biomass and energy. (12)
4. What do you mean by biodiversity at global, national and local levels? (12)

**SECTION - C**

5. What do you mean by wild life conservation and forest act? Write some salient features of this act. (12)
6. What are the major roles of central and state pollution control boards with respect to environmental protection in India?(12)

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**SECTION - D**

7. What do you mean by municipal solid waste (MSW)? Explain storage, collection, transportation and disposal of municipal solid waste (MSW) with the help of flow diagram. (12)
8. What are the toxic elements in water? Write their sources and impact on enzymes. (12)

**SECTION - E**

9. Write short answers of the following:
  - (a) Differentiate between nuclear fission and nuclear fusion.
  - (b) Define consumptive use and productive use.
  - (c) Write short note on world food problem.
  - (d) What is bio medical waste?
  - (e) What are Kyoto protocol and Vienna convention?
  - (f) Define energy resources. (2×6=12)