

B. TECH.
(SEM IV) THEORY EXAMINATION 2018-19
ENVIRONMENT & ECOLOGY

Time: 3 Hours

Total Marks: 100

Note: Attempt all sections equally & missidg the hoo suitably.

SECTION A

1. Attempt all questions brief. 2 x 10 = 20
- Write short note on balanced ecosystem.
 - Define environment.
 - Explain various types of air pollutants.
 - What are hot spots of biodiversity?
 - What are various types of air pollutants?
 - Explain the various environmental effects of mineral extraction.
 - Write short note on balanced ecosystem.
 - Explain various impacts of water pollution on environment.
 - Explain the uses of solar energy.
 - What is fossil? What are fossil fuels?

SECTION B

2. Attempt any three of the following: 10 x 3 = 30
- Briefly discuss the salient features of Environmental (Protection) Act, 1986.
 - Write short note on;
 - Green house effect
 - Eutrophication
 - Discuss how women education aid with the development of India.
 - Discuss the fluoride and arsenic problem in drinking water.
 - What is solid waste? Explain in brief in solid waste disposal methods.

SECTION C

3. Attempt any one part of the following: 10 x 1 = 10
- Elaborate the statement "Multidisciplinary nature of environmental science".
 - What are ecological pyramids? Explain different types of ecological pyramids with suitable examples.
4. Attempt any one part of the following: 10 x 1 = 10
- What are natural resources, classify them.
 - Define ecosystem. Explain various components of an ecosystem structure.
5. Attempt any one part of the following: 10 x 1 = 10
- What is acid rain? Give various effects of acid rain on environment.
 - What is ozone layer formation and depletion? Explain its various effects on environment.
6. Attempt any one part of the following: 10 x 1 = 10
- What is material cycle? Explain nitrogen cycle with neat diagram.
 - What is deforestation? Discuss various causes and effects of deforestation.
7. Attempt any one part of the following: 10 x 1 = 10
- Discuss the energy scenario in Indian context.
 - What is biodiversity? What are various conservation techniques for biodiversity conservation?