

B. TECH.
(SEM III) THEORY EXAMINATION 2018-19
ENVIRONMENT AND ECOLOGY

Time: 3 Hours

Total Marks: 70

Note: Attempt all Sections. If require any missing data; then choose suitably.

SECTION A

1. Attempt *all* questions in brief. 2 x 7 = 14
- 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: 7 x 3 = 21
- Elaborate the statement "Multidisciplinary nature of environmental science".
 - What are ecological pyramids? Explain different types of ecological pyramids with suitable examples.
 - What are natural resources, classify them.
 - Define ecosystem. Explain various components of an ecosystem structure.
 - What is acid rain? Give various effects of acid rain on environment.

SECTION C

3. Attempt any *one* part of the following: 7 x 1 = 7
- What is material cycle? Explain nitrogen cycle with neat diagram.
 - What is deforestation? Discuss various causes and effects of deforestation.
4. Attempt any *one* part of the following: 7 x 1 = 7
- Discuss the energy scenario in Indian context.
 - What is biodiversity? What are various conservation techniques for biodiversity conservation?
5. Attempt any *one* part of the following: 7 x 1 = 7
- What is ozone layer formation and depletion? Explain its various effects on environment.
 - What is solid waste? Explain in brief in solid waste disposal methods.
6. Attempt any *one* part of the following: 7 x 1 = 7
- Discuss how women education aid with the development of India.
 - Discuss the fluoride and arsenic problem in drinking water.
7. Attempt any *one* part of the following: 7 x 1 = 7
- Briefly discuss the salient features of Environmental (Protection) Act, 1986.
 - Write short note on;
 - Greenhouse effect
 - Eutrophication