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**Roll No. ....**

# **TEV-101**

## **B. TECH. (FIRST SEMESTER) END SEMESTER EXAMINATION, 2018 (ALL BRANCHES)**

**ENVIRONMENTAL SCIENCE**

**Time : Three Hours**

**Maximum Marks : 100**

**Note : (i) This question paper contains five questions.**

**(ii) All questions are compulsory.**

**(iii) Instructions on how to attempt a question are mentioned against it.**

**(iv) Total marks assigned to each question are twenty.**

**1. Attempt any *two* questions of choice from (a), (b) and (c). (2×10=20 Marks)**

**(a) Give an account of formal and non-formal environmental education imparted in our country.**

**(b) Define the Natural resources and its types. Give a brief of soil conservation methods.**

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- (c) Describe water resources on earth and give details about the Rain Water Harvesting technique with suitable figure.
2. Attempt any *two* questions of choice from (a), (b) and (c). (2×10=20 Marks)
- (a) Define Ecosystem. Write in detail about the components of ecosystem with suitable flowchart.
- (b) Define the ecological succession and give details about Hydrosere ecological succession with suitable figure.
- (c) Explain the ecological pyramids in detail with suitable figures.
3. Attempt any *two* questions of choice from (a), (b) and (c). (2×10=20 Marks)
- (a) Write in detail about in-situ conservation (National Parks, Sanctuaries and Biosphere reserve) methods.
- (b) Define the following terms :
- (i) Genetic biodiversity
  - (ii) Endemic species
  - (iii) Hotspot region
  - (iv) Wetland areas
  - (v) IUCN
- (c) Write in detail about merits and demerits of Dams.

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(3)

4. Attempt any *two* questions of choice from (a), (b) and (c). (2×10=20 Marks)
- (a) Define the Pollution and Pollutant, types of water pollution sources and explain the ETP with suitable figure.
- (b) Explain the following terms :
- (i) Los Angelis smog
  - (ii) Acid rain with chemical reaction and prevention methods.
- (c) Describe the Noise Pollution, noise pollution effects and prevention methods.
5. Attempt any *two* questions of choice from (a), (b) and (c). (2×10=20 Marks)
- (a) Define Disaster and give details about the effects of Earthquake.
- (b) Write in brief about the Indian Wildlife Act (1972).
- (c) Write the role of Information Technology in environment and human health.

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