

H

Roll No.

TEV-101

**B. TECH. (FIRST SEMESTER)
MID SEMESTER EXAMINATION, 2018**

(All Branches)

ENVIRONMENTAL SCIENCES

Time : 1:30 Hours

Maximum Marks : 50

Note : (i) This question paper contains two Sections.

(ii) Both Sections are compulsory.

Section—A

1. State True/False : (1×5=5 Marks)

(a) Food chain is the basic unit of an ecosystem. (True/False)

(b) Ocean is the huge ecosystem on earth. (True/False)

(c) Detritus food chain is the types of food chain. (True/False)

(d) Vultures are called natural cleaner. (True/False)

(e) Sun is the tangible energy source. (True/False)

(2)

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2. Attempt any *five* parts : (3×5=15 Marks)
- (a) Define the Soil.
 - (b) Define the Decomposers with suitable examples.
 - (c) Differentiate between Natural and Artificial Ecosystem.
 - (d) Define the Atmosphere and Lithosphere.
 - (e) Define the Heterotrophs in ecosystem with suitable examples.
 - (f) Define the Biosphere.

Section—B

3. Attempt any *two* parts of choice from (a), (b) and (c). (5×2=10 Marks)
- (a) Write a detail about the pyramids of Biomass.
 - (b) Explain the lake ecosystem with suitable example.
 - (c) Write the value of environmental education in society.
4. Attempt any *two* parts of choice from (a), (b) and (c). (5×2=10 Marks)
- (a) Write in brief about Mulching and Check-dams methods to control the soil erosion with suitable examples and figures.

(3)

- (b) Write the demerits of huge hydropower dams construction in India.
 - (c) Explain the forest conservation methods.
5. Attempt any *two* parts of choice from (a), (b) and (c). (5×2=10 Marks)
- (a) Give details about Yellow revolution in India.
 - (b) Explain the merits and demerits of Solar power plant.
 - (c) Explain the biotic and abiotic components of ecosystem.

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