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**Roll No. ....**

# **TEV-101**

**B. TECH. (FIRST SEMESTER)**

**MID SEMESTER**

**EXAMINATION, Oct., 2023**

**ENVIRONMENTAL SCIENCE**

**Time : 1½ Hours**

**Maximum Marks : 50**

**Note :** (i) Answer all the questions by choosing any *one* of the sub-questions.

(ii) Each sub-question carries 10 marks.

1. (a) Define ecosystem. Write the various components of ecosystem with flowchart with suitable examples. (CO1)

**OR**

- (b) Define the Habitat, Niche, Hotspots, Atmosphere and Genetic diversity with suitable examples. (CO1)

**P. T. O.**

2. (a) What do you understand by Food Chain and Food Web ? Differentiate between grazing and detritus food chain. (CO1)

OR

- (b) Define Environmental Science. Describe the objective and scope of Environmental Science. (CO1)
3. (a) Define Ecological Succession. Explain the various stages of ecological succession.

(CO1/CO2)

OR

- (b) Define the ecological pyramid and its types with suitable figure. (CO1/CO2)
4. (a) Write the major threats to the water resource and different water conservation practices. (CO2)

OR

- (b) Explain the application of solar power energy. Write merits and demerits of wind energy and geothermal energy. (CO2)

(3)

5. (a) Explain the major threats to biodiversity and in-situ/ex-situ conservation methods.

(CO2)

OR

- (b) Explain the role of an individual in conservation of natural resources. (CO2)