

Roll No.

--	--	--	--	--	--	--

H

## TEV-201

**B. Tech. (Second Semester)**

**End Semester EXAMINATION, 2017**

**(All Branches)**

**ENVIRONMENTAL STUDIES**

*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) Write the multidisciplinary role of environmental studies/education in technical education.

(b) Write the demerits of hydropower plant (dams) construction in Himalayan region.

[ 2 ]

TEV-201

- (c) Define the soil and soil conservation methods in detail.
2. Attempt any *two* questions of choice from (a), (b) and (c). (2×10=20 Marks)
- (a) Give details about the components of ecosystem.
- (b) Explain the lake ecosystem in detail with suitable figure.
- (c) Write in detail about ecological pyramids.
3. Attempt any *two* questions of choice from (a), (b) and (c). (2×10=20 Marks)
- (a) Define Biodiversity, Hotspot area, Genetic diversity and IUCN endanger species.
- (b) Explain the terms national park, sanctuary, biosphere reserve and ex-situ conservation methods.
- (c) Write the major threats to biodiversity in terms of habitat loss and development activities.
4. Attempt any *two* questions of choice from (a), (b) and (c). (2×10=20 Marks)
- (a) Define the pollution and pollutants. Distinguish between point and non-point water pollution sources.
- (b) Explain the primary and secondary water treatment method with suitable figure.

A-79

[ 3 ]

- (c) Write in detail about noise pollution sources, effects and prevention methods.
5. Attempt any *two* questions of choice from (a), (b) and (c). (2×10=20 Marks)
- (a) Define disaster. Explain the earthquake affects and their safety measures.
- (b) What is Solid Waste ? Give details about non-degradable waste treatment methods with suitable figures.
- (c) Write in brief about Indian Wildlife Protection Act (IWPA, 1972).

TEV-201

460

A-79