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TEV-101

B. Tech. (First Semester)
Mid Semester EXAMINATION, 2016
(All Branches)

ENVIRONMENTAL STUDIES

Time : Two Hours] [Maximum Marks : 60

Note : (i) This question paper contains *three* questions with alternative choice.

(ii) All questions are compulsory.

(iii) Each question carries four Parts (a), (b), (c) and (d). Attempt, either Parts (a) and (b) or (c) and (d) of each question.

(iv) Each Part carries **ten** marks. Total marks assigned to each question are **twenty**.

1. (a) Write the definition of Environment and importance of Environmental Education needed for public awareness and sustainability.

(b) Define the Natural resources. Distinguish between renewable and non-renewable resources and explain the conservation methods to natural resources.

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Or

- (c) Write the major function of the forest resources. List the major factors leading to deforestation and conservation methods.
 - (d) Explain the merits and demerits of large hydropower dams.
2. (a) Define the land and soil. Write the major responsible causes for soil erosion and explain the conservation methods.
- (b) Write the status of water resources and define floods and drought in your own words.

Or

- (c) Write the advantages and disadvantages of Solar energy, Bio-gas plant and Nuclear energy plant.
 - (d) Define the terms Phytoplankton, Zooplankton, Benthos and Nekton.
3. (a) Define the ecological pyramids and write a note on biomass and energy pyramids in nature with suitable figure.
- (b) Define Saprotrophs and Autotrophs. Explain the role of plants and microbes in ecosystem.

Or

- (c) Explain the components of ecosystem in terms of biotic and abiotic components in pond ecosystem.

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- (d) Write short notes on any two of the following :
 - (i) Grazing and detritus food chain
 - (ii) Ecological pyramids of numbers
 - (iii) Producers
 - (iv) Food web

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