

Veer Surendra Sai University of Technology

Mid Term Examination October 2015

1<sup>st</sup> Semester B.Tech (Section:H,I,J,K,L,M,N)

Sub: Environmental Science and engineering

Max. Marks: 20

Time : 2Hrs.

Note: Q.No. 1is Compulsory Answer any three from the rest of the questions

1. Answer the following questions:

(5×1)

- (a) Mention the various components of earth system.
- (b) Differentiate between renewable and non renewable resources with example.
- (c) Explain the occurrence of precipitation.
- (d) What is environmental pollution?
- (e) Mention major causes of soil pollution.

2

- (a) Explain the level of organization in the environment.
- (b) Explain the ecosystem processes.

(3)

(2)

3

- (a) What is Environmental gradient? Explain tolerance curve with the help of a figure for a single species population existing on a single environmental gradient.
- (b) Differentiate between biotic and abiotic components of natural environment.

(3)

(2)

X

- (a) Explain in detail hydrological cycle with the help of a suitable figure taking account 100 units of precipitation.
- (b) Discuss the causes of noise pollution.

(2)

(3)

5. Write short notes on the following.

(2×2.5)

- (a) Thermal pollution
- (b) Nuclear hazards

X

- (a) Briefly explain energy budget and water balance.
- (b) Explain evapotranspiration.

(3)

(2)

END