

C.U.SHAH UNIVERSITY

Wadhwan City

Subject Code : 4TE01EEM1

Summer Examination-2014

Date: 07/06/2014

Subject Name : Environmental Engineering and Management

Branch/Semester:-B.Tech/I

Time:10:30 To 1:00

Examination : Remedial

Instructions:-

- (1) Attempt all Questions of both sections in same answer book / Supplementary
- (2) Use of Programmable calculator & any other electronic instrument is prohibited.
- (3) Instructions written on main answer Book are strictly to be obeyed.
- (4) Draw neat diagrams & figures (If necessary) at right places
- (5) Assume suitable & Perfect data if needed

SECTION-I

- Q-1 (a) Define Nitrogen fixation and denitrification 2
- (b) Define Autotrophs and Heterotrophs. 2
- (c) What is Precipitation ? 1
- (d) Define Trophic Level. 1
- (e) What is Biome ? 1
- Q-2 (a) Write short notes on: Levels of organization 5
- (b) Explain the need for public awareness about the environment and its degradation. 5
- (c) What are the objectives of ecological study ? 4

OR

- Q-2 (a) Write the objectives and principles of environmental education. 5
- (b) Describe the structure of atmosphere and tabulate the compositions of atmosphere. 5
- (c) Differentiate between (1) Ecology and Ecosystem, (2) Biotic & Abiotic components . 4
- Q-3 (a) Explain the use and over exploitation of Forest resources. Discuss the effect of overpopulation on forest resources. 7
- (b) Explain terms food chain and food web with example of Aquatic and Terrestrial ecosystem . 7

OR

- Q-3 (a) What is biogeochemical cycle? Explain Hydrological cycle with neat sketch. 7
- (b) What are the different methods of extracting minerals ? Explain. 7



SECTION-II

- Q-4 (a) Differentiate between Fog and Smog. 2
(b) Differentiate between Flora & fauna. 2
(c) Define acid rain. 1
(d) What is Global warming. 1
(e) Define Species. 1
- Q-5 (a) Define any five of the following: 5
(i) Pollution, (ii) Ozone, (iii) Eutrophication, (iv) Point source pollution, (v) Thermal pollution, (vi) Nuclear pollution.
(b) Explain the rainwater harvesting methods. 5
(c) Explain 'Ex-situ' conservation and 'In-situ' conservation of biodiversity. 4

OR

- Q-5 (a) Explain by drawing sketch: Green house effect. 5
(b) What are the values of Biodiversity? 5
(c) What do you understand by 'Hot spots of Biodiversity' ? 4
- Q-6 (a) State the measures to control noise pollution also discuss the harmful effects of noise pollution. 7
(b) Give a brief account of biogeographical classification of india. 7
- OR
- Q-6 (a) What is global warming? What are the impacts of global warming? Which are the measures to reduce global warming? 7
(b) What are the objectives of watershed management ? 7

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