

Enrollment No: _____ Exam Seat No: _____

C. U. SHAH UNIVERSITY

Winter Examination-2020

Subject Name: Environmental Engineering & Management

Subject Code: 4TE01EEM2

Branch: B.Tech (All)

Semester : 1

Date : 16/03/2021

Time : 03:00 To 06:00

Marks : 70

Instructions:

- (1) Use of Programmable calculator & any other electronic instrument is prohibited.
 - (2) Instructions written on main answer book are strictly to be obeyed.
 - (3) Draw neat diagrams and figures (if necessary) at right places.
 - (4) Assume suitable data if needed.
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- Q-1 Attempt the following questions: (14)**
- a) What is ecosystem? (1)
 - b) Define Acidic Rain. (1)
 - c) What is hydrosphere? (1)
 - d) Define Tropic Level. (1)
 - e) What is evaporation? (1)
 - f) What is fog? (1)
 - g) What is genetic diversity ? (1)
 - h) What is water Logging? (1)
 - i) What are the biotic components? (1)
 - j) What is Autotrophs ? (1)
 - k) What is tropic level? (1)
 - l) What is Precipitation ? (1)
 - m) Define tundra (1)
 - n) What is Sustainable Development? (1)

Attempt any four questions from Q-2 to Q-8

- Q-2 Attempt all questions (14)**
- (A) What is role of Environmental Engineer? (7)
 - (B) Enlist the structure and functions of ecosystem. (7)
- Q-3 Attempt all questions (14)**
- (A) What is biological cycle ? Explain Hydrological cycle with neat Sketch. (7)
 - (B) What is mineral? Enlist principal minerals of India and what are the effects on environment due to extraction of minerals resource? (7)
- Q-4 Attempt all questions (14)**
- (A) Write short note on pond ecosystem. (7)
 - (B) Write difference between Nitrogen fixation and de-nitrification. (7)



- Q-5** **Attempt all questions** **(14)**
- (A) Define food chain and discuss different trophic levels of it. **(7)**
 - (B) Discuss the status of India as a mega diverse nation of biodiversity. **(7)**
- Q-6** **Attempt all questions** **(14)**
- (A) Write short note on ozone layer depletion. **(7)**
 - (B) What is the consequence of deforestation? How can you conserve forest? **(7)**
- Q-7** **Attempt all questions** **(14)**
- (A) Explain with sketch Greenhouse effect. **(7)**
 - (B) Describe the structure of atmosphere and tabulate the composition. **(7)**
- Q-8** **Attempt all questions** **(14)**
- (A) Differentiate between degradable and non-degradable pollutant. **(7)**
 - (B) What is global warming? What are the impacts of global warming? **(7)**

