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.

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 tropical level 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 layers 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)**