



NAVRACHANA UNIVERSITY

School: School of Engineering and Technology

Program/s: B. Tech. (Mechanical, EEE, Civil)

Year: 1st **Semester:** 1st

Examination: End Semester Exam

Examination year: November 2023

Course Code: CME 105

Course Name:

Environmental Science

Date: 24/11/2023

Total Marks: 40

Time: 10:00 am to 12:00 noon

Total Pages: 1

Instructions:

- Write each answer on a new page
- Use of a calculator is permitted/not permitted.
- * COs=Course Outcome mapping, # BTL=Bloom's Taxonomy Level mapping

Q. No.	Details	Marks	COs*	BTL*
Q.1	Give answers 1. a. Global warming b. Ozone layer and its depletion 2. Nuclear hazards its solutions or Industrial waste and its solutions 3. Types of forest	7 (2+3+2)	CO1	BT1, BT2/BT4 BT2
Q.2	Give Brief answers (any 5) (3 marks each) a. Write down any 3 tribal communities (name, states, and source of income) b. Impact of acid rain on agriculture (write 4 to 5 points) c. Forest Act. d. Solid waste management e. Solutions of water pollution f. What do you mean by biodiversity give examples g. Climate change and its solutions	15	CO1, CO2	BT1, BT1 BT4 BT3 BT1 BT2 BT3
Q.3	Give a brief (any 2) (4 marks each) a. What is IUCN, give two examples of vulnerable and extinct species. b. Noise pollution its sources, and solutions. d. Thermal pollution and its solutions (write 6-7 points)	8	CO2	BT3, BT5 BT3
Q.4	Explain (Any One) a. Explain sustainable development with examples. Your role in sustainable development b. Human-wildlife conflict c. Ex-situ and In-situ Conservation with example	5	CO1, CO2	BT5 BT5 BT3
Q.5	Explain (Any One) a. Write rights of Indigenous people b. Environment Protection Act (including air and Water Act) c. Multidisciplinary nature of Environmental studies, its importance	5	CO1, CO2	BT2 BT3 BT2