

GUJARAT TECHNOLOGICAL UNIVERSITY**BE- SEMESTER-V EXAMINATION – WINTER 2025****Subject Code:3152908****Date:25-11-2025****Subject Name:Professional Engineering Ethics****Time:10:30 AM TO 01:00 PM****Total Marks:70****Instructions:**

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.
4. Simple and non-programmable scientific calculators are allowed.

		Marks
Q.1	(a) What is the scope of engineering ethics?	03
	(b) What is morality? Distinguish between 'morality' and 'ethics'.	04
	(c) List the human values and explain any two in detail.	07
Q.2	(a) Define 'moral autonomy'. Explain the relation between autonomy and authority.	03
	(b) Write about the duties of an Indian citizen.	04
	(c) Discuss on three types of inquiries, giving an example each.	07
	OR	
	(c) Discuss the characteristics of the professions as different from non-professional occupation.	07
Q.3	(a) List the responsibilities of engineers to society	03
	(b) What does the 'codes of ethics' exhibit? Name the roles of codes of ethics.	04
	(c) Compare the engineering experiments with standard experiments.	07
	OR	
Q.3	(a) What is meant by 'copyright'?	03
	(b) What are the steps in confronting the 'moral dilemma'?	04
	(c) Explain the Kohlberg's and Gilligan's theory.	07
Q.4	(a) Name the factors that influence the perception of risk.	03
	(b) Write briefly about environmental ethics.	04
	(c) Discuss on the ways and means of reducing occupational crimes in industries.	07
	OR	
Q.4	(a) What is the proper role of law in engineering?	03
	(b) Discuss in detail the 'risk benefit analysis' and reducing risk	04
	(c) Write in detail about the Case Study: The Challenger.	07
Q.5	(a) Name different types of problems in 'computer ethics'?	03
	(b) Discuss on the pros and cons of multinational companies from the point of view of ethics.	04
	(c) Discuss on the participation in professional societies.	07
	OR	
Q.5	(a) Define 'technology transfer'.	03
	(b) Discuss on the philosophical views of nature.	04
	(c) Discuss about the role of Engineers as Managers.	07