

GUJARAT TECHNOLOGICAL UNIVERSITY**BE – SEMESTER- V EXAMINATION-SUMMER 2023****Subject Code: 3152908****Date: 28/06/2023****Subject Name: Professional Engineering Ethics****Time: 02:30 PM TO 05:00 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

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| Q.1 | (a) Write briefly about work ethics. | 03 |
| | (b) What should one do or not to do live peacefully? | 04 |
| | (c) Explain the fundamental human rights. | 07 |
| Q.2 | (a) What is meant by Professional Responsibility? | 03 |
| | (b) Define Integrity. | 04 |
| | (c) Differentiate between 'Kohlberg and Gilligan theory' of moral development. | 07 |
| | OR | |
| | (c) Discuss on different approaches to moral decision making. | 07 |
| Q.3 | (a) How do moral problems arise in a profession? | 03 |
| | (b) Compare the engineering experiments with standard experiments. | 04 |
| | (c) What are the safety lessons we learn from 'Three-Mile Island' and 'Chernobyl' safe exits? | 07 |
| | OR | |
| Q.3 | (a) What does the 'codes of ethics' exhibit? | 03 |
| | (b) What does the 'balanced outlook on law' stress in engineering practice? | 04 |
| | (c) Discuss in detail about the Bhopal gas tragedy. | 07 |
| Q.4 | (a) What is collegiality? | 03 |
| | (b) How do the ethical theories justify confidentiality? | 04 |
| | (c) What is meant by 'respect to authority'? How far it should be recognized by salaried professionals as morally justified? | 07 |
| | OR | |
| Q.4 | (a) Define collective bargaining. | 03 |
| | (b) What is meant by occupational crime? | 04 |
| | (c) Discuss in detail about employee right. | 07 |
| Q.5 | (a) Why is moral leadership essentially required for the engineers? | 03 |
| | (b) What are the characteristics of engineers as managers? | 04 |
| | (c) The consulting engineers have ethical responsibilities different from salaried engineers. Explain. | 07 |
| | OR | |
| Q.5 | (a) What are the functions of an expert witness? | 03 |
| | (b) Write briefly about multinational corporations. | 04 |
| | (c) Discuss in detail about computer ethics. | 07 |
