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Question Paper Code : X60634

B.E./B.Tech. DEGREE EXAMINATION, NOVEMBER / DECEMBER 2020.

Seventh Semester

Civil Engineering

GE 2025 /10177 GE 005/GE 606 — PROFESSIONAL ETHICS IN ENGINEERING

(Common to all Branches)

(Regulations 2008/2010)

(Also common to PTGE 2025 PROFESSIONAL ETHICS IN ENGINEERING for
B.E. (Part-Time) Regulations 2009)

Time : Three hours

Answer ALL questions.

Maximum : 100 marks

PART A — (10 × 2 = 20 marks)

1. Define moral values with suitable examples.
2. Define 'professionalism'.
3. Define 'Engineering Ethics'.
4. What do you understand by "a Balanced outlook on Law"?
5. State the industrial definition on safety.
6. What is meant by Disaster?
7. Define the term 'Collective Bargaining'.
8. What is Global Rule?
9. What is Hired Gun?
10. Differentiate Bribe from Gift.

PART B — (5 × 16 = 80 marks)

11. (a) (i) Discuss the Kohlberg's theory on moral development. (8)
- (ii) Write short notes on 'Moral dilemmas'. (8)

Or

- (b) (i) Discuss Gilligan Theory. (6)
- (ii) What are the uses of ethical theories? (6)
- (iii) Write on Professional ideals and Virtues. (4)

12. (a) Discuss the ethical issues involved in challenger case study.

Or

- (b) (i) Explain how the codes of ethics guides an engineer in the professional behaviour. (8)
- (ii) Discuss briefly the role of Industrial standards. (8)

13. (a) (i) Define the terms risk and safety. How will an engineer assess the safety? (8)

(ii) What are the factors that affect risk acceptability? What is the use of knowledge of risk acceptance to engineers? (8)

Or

(b) Define risk benefit analysis? Why is it conducted? What are the limitations of risk benefit analysis? (16)

14. (a) (i) Discuss the significance of loyalty and collegiality in team work. (8)

(ii) Describe the concept of confidentiality in professional ethics. (8)

Or

(b) Write short notes on the following :

- (i) Employee rights (6)
- (ii) Professional rights (6)
- (iii) Occupational crimes. (4)

15. (a) Discuss the concept of Environmental Ethics and Business Ethics in the context of technological development. (16)

Or

(b) Develop a model code of conduct for Multinational Corporation which is employing mainly software engineers. (16)
