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Question Paper Code : 31461

B.E./B.Tech. DEGREE EXAMINATION, NOVEMBER/DECEMBER 2013.

Seventh Semester

Electronics and Communication Engineering

GE 2025 / GE 606 / 10177 GE 005 — PROFESSIONAL ETHICS IN
ENGINEERING/ PROFESSIONAL ETHICS AND HUMAN VALUES

(Common to Fifth Semester — Textile Technology / Textile Technology (Fashion
Technology) and Biotechnology)

(Also common to Eighth Semester – Electronics and Instrumentation Engineering,
Instrumentation and Control Engineering, Marine Engineering, Mechanical
Engineering, Information Technology, Computer Science and Engineering,
Sixth Semester – Civil Engineering, Automobile Engineering and Electrical and
Electronics Engineering)

(Regulation 2008 / 2010)

(Common to PTGE 2025 — Professional Ethics in Engineering for B.E. (Part-Time)
Seventh Semester – ECE – Regulation 2009)

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. Define ethics. Mention some universally accepted ethical standards.
2. Define moral values with suitable examples.
3. Define engineering ethics.
4. What are the senses of engineering ethics?
5. Define 'Disaster'.
6. What is the use of risk-analysis?
7. Define collegiality? What are its elements?
8. List the factors that shape the self confidence in a person.
9. Mention the different types of intellectual property rights.
10. What is meant by moral leadership?

PART B — (5 × 16 = 80 marks)

11. (a) (i) Bring out the differences between the Kohlberg's theory and Gilligan's theory. (8)
(ii) Write short notes on moral autonomy. (8)

Or

- (b) (i) Explain the types of inquiries in detail. (8)
(ii) Mention the different types of ethical theories. What are its uses? (8)
12. (a) (i) Why engineering projects are viewed as experiments? (8)
(ii) Enumerate the Code of Ethics of engineers. (8)

Or

- (b) (i) Explain the ethical issues involved in Challenger mission case study. (8)
(ii) Explain work ethics in detail. (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?
14. (a) (i) Write short notes on occupational crime. (8)
(ii) Distinguish between employee rights and professional rights. (8)

Or

- (b) Discuss the significance of intellectual property rights. Also explain the legislations covering intellectual property rights in India.
15. (a) What is environmental ethics? Why it is important to study. Discuss any environmental issues in the ethical point of view to engineers.

Or

- (b) Define computer ethics. What are the issues in computer ethics?