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Question Paper Code : 71639

B.E./B.Tech. DEGREE EXAMINATION, APRIL/MAY 2015.

Seventh Semester

Electronics and Communication Engineering

GE 2025/GE 606/10177 GE 005/10144 CSE 59 — PROFESSIONAL ETHICS IN
ENGINEERING / PROFESSIONAL ETHICS AND HUMAN VALUES

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

(Also common to Sixth Semester – Civil Engineering, Automobile Engineering and
Electrical and Electronics Engineering)

(Regulation 2008/2010)

(Common to PTGE 2025/10144 CSE 59/10177 GE 005 — Professional Ethics in
Engineering for B.E. (Part-Time) Fifth Semester – Civil Engineering and
Electrical and Electronics Engineering, Seventh Semester – CSE/ECE/
Mechanical – Regulation 2009/2010)

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. Define moral values with suitable examples.
2. Define 'professionalism'.
3. Why engineers are considered as responsible experimenters?
4. List the advantages of industrial standards.
5. Define 'informed consent'.
6. What is the use of risk-analysis?
7. Define 'collegiality'. What are its elements?

8. List the factors that enhance the self confidence in a person.
9. Define the terms 'honesty' and 'moral leadership'.
10. What do you understand by 'business ethics'?



PART B — (5 × 16 = 80 marks)

11. (a) (i) Describe Kohlberg and Gillegan's theories on Moral autonomy. (10)
- (ii) Write a brief note on the types of inquiries. (6)

Or

- (b) Discuss in detail the uses and limitation of ethical theories.
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) Describe the concept of
- (i) Risk benefit analysis. (8)
- (ii) Fault tree analysis. (8)

Or

- (b) What are the safety lessons that can be learned from Bhopal disaster? Discuss the role of Governments regulator's in reducing the risk.
14. (a) (i) Discuss the significance of loyalty and collegiality in team work? (8)
- (ii) Distinguish between employee rights and professional rights. (8)

Or

- (b) Write a brief note on :
- (i) Institutional Authority.
- (ii) Discrimination.

15. (a) What is environmental ethics? Explain its significance. Give some of the environmental issues of concern to engineers.

Or

- (b) Discuss the various global issues that have an impact on business.



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