Reg. No. | | | | | | | | | | | | |

Question Paper Code : 51639

B.E./B.Tech. DEGREE EXAMINATION, MAY/JUNE 2016

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 Chemical Engineering, Chemical and Electro Chemical Engineering And Fifth Semester – Textile Technology / Textile Technology (Fashion Technology) and Biotechnology)

(Also common to sixth semester – Civil Engineering, Automobile Engineering and Electrical and Electronics Engineering)

(Regulations 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 Engineering- Regulations 2009/2010)

Time : Three Hours **Maximum : 100 Marks**

Answer ALL questions.

PART – A (10 × 2 = 20 Marks)

1. Write a brief note on customer oriented issues.

2. What are Normative inquiries ?

3. State the importance of Ethical codes.

4. Why do laws are necessary with respect to social experimentation ?

5. What are the questions to be borne in mind by the Engineers' responsibility for safety ?

6. State the elements of risk perception.

7. What are the specific duties of loyal employees ?

8. When is the institutional authority morally justified ?

9. What is the benefit of understanding Hired Guns ?

10. What does moral leadership mean ?

PART – B (5 × 16 = 80 Marks)

11. (a) (i) Sketch out various types of competitors oriented issues. State and explain the variety of moral issues. **(8)**

(ii) Write a note on problem of vagueness. Explain the steps involved in confronting moral dilemma. **(8)**

OR

(b) (i) What is meant by moral autonomy ? Discuss the skills required to improve moral autonomy. **(8)**

(ii) Explain the professional roles played by the Engineers. **(8)**

12. (a) (i) State the general responsibilities of engineers to society. What are the general features of morally responsible engineers ? **(8)**

(ii) What do code of ethics deal with ? Which functions of the codes of ethics are the most valuable in the perspective of engineers as social experimenters ? **(8)**

OR

(b) (i) What are standards ? Explain the types of standards and their purposes. **(8)**

(ii) Explain the problems with the laws in Engineering and roles played by the laws in Engineering. **(8)**

13. (a) (i) What is a bribe ? What are the ethical reasons for not tolerating bribery ? **(8)**

(ii) Explain the possible ways of avoiding conflicting of interest. **(8)**

OR

(b) (i) What are the major problems faced by Engineers with conceptions of safety ? Explain personal risk and public risks with examples. **(8)**

(ii) Explain conclusions from Chernobyl accident. **(8)**

14. (a) (i) Define collegiality. Is collegiality a virtue ? What are the responsibility to employers ? **(8)**

(ii) What is meant by confidentiality ? Explain the related terms, criteria for identifying confidential information. **(8)**

OR

(b) (i) What is Whistle blowing ? When whistle blowing is morally permissible ? How to prevent whistle blowing ? **(8)**

(ii) Define intellectual property. What are intellectual property rights ? State the elements of intellectual property rights. **(8)**

15. (a) (i) Define MNCS. State and explain the benefits to host countries from MNCs. **(8)**

(ii) Describe the importance of computer ethics. What is the impact of computer on work ? **(8)**

OR

(b) (i) Explain the role of Engineers involvement in weapon development work. **(8)**

(ii) What are the principles of honesty ? Bring out the principles of conflict resolution as a consulting engineer. **(8)**