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B.E./B.Tech. DEGREE EXAMINATION, NOVEMBER/DECEMBER 2008.

Third Semester

Computer Science and Engineering

GE 1301 — PROFESSIONAL ETHICS AND HUMAN VALUES

(Regulation 2004)

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. What do you understand by the word 'Ethics'?
 2. What is time management?
 3. List the three types of enquiries needed to resolve a moral dilemma.
 4. Compare profession and professionalism.
 5. What is meant by 'informed consent' with reference to engineering as experimentation?
 6. As per most codes of ethics, what is the paramount professional responsibility of engineers?
 7. Define 'collegiality'.
 8. When does a 'gift' become a 'bribe'?
 9. How is an 'expert witness' different from an 'eye witness'?
 10. What do you understand by 'Ethical Pluralism'?
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PART B — (5 × 16 = 80 marks)

11. (a) (i) Write a note on 'Time Wasters' and how the students can overcome them. (8)
- (ii) Any employer would look for 'Work Ethic' in a prospective employee. Describe what you understand by this human value. (4)
- (iii) Do you think that society discourages honesty in an individual? Justify your answer with an example. (4)

Or

- (b) (i) Do you think the teaching of Ethics and Human Values necessary in the process of technical education? Explain the reasons for whichever answer you have chosen. (8)
- (ii) Name and explain the three levels of moral development proposed by Lawrence Kohlberg. (8)
12. (a) (i) Write a detailed essay on the theories of right action. (12)
- (ii) Explain, with examples, how considering more than one theory helps in examining a moral dilemma from different perspectives. (4)

Or

- (b) (i) Explain the concept 'Moral Autonomy' in detail. What are the qualities/skills required to become morally autonomous? (10)
- (ii) Do you think that morally autonomous people can accept consensus and authority, and if so why? (6)
13. (a) (i) State and explain the advantages and limitations of the Codes of Ethics of engineering societies. (12)
- (ii) Describe any six fundamental issues addressed by Codes of Ethics of Engineering Societies all over the world. (4)

Or

- (b) (i) Describe the four features of engineers as morally responsible experimenters and explain the difficulties one faces while exercising them. (10)
- (ii) What is the significance of lack of experimental control in engineering as social experimentation, and how does its absence increase the engineers responsibility? (6)

14. (a) (i) Define safety and risk. State the factors which influence the sensitivity of the public to risk. (8)
- (ii) Write a short note on risk-benefit analysis. (4)
- (iii) How does Agency Loyalty differ from Identification Loyalty? (4)

Or

- (b) (i) Describe the 'Professional Rights of Engineers'. (6)
- (ii) What do you understand by white collar crime? Explain the various occupational crime with examples. (10)
15. (a) (i) Discuss the concepts of Technology Transfer and appropriate technology with reference to Bhopal tragedy. (10)
- (ii) Write a note on the environmental ethics for engineers. (6)

Or

- (b) Explain how computers can be used as instruments of unethical behaviour? (16)