

D 4056

B.E./B.Tech. DEGREE EXAMINATION, MAY/JUNE 2007.

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. Distinguish between 'Sympathy' and 'Empathy'.
2. What are the two aspects that exhibit honesty?
3. Name the different types of Inquiry.
4. What do you understand by the term moral autonomy?
5. What do you mean, by Informed Consent?
6. What is meant by Conscientiousness?
7. Define the term 'Collective Bargaining'.
8. What is meant by Voluntary Risk?
9. Distinguish between eye witness and expert witness.
10. Define 'Appropriate Technology'.

PART B — (5 × 16 = 80 marks)

11. (a) (i) What do you understand by the term civic virtue? What are the various aspects involved in civic virtue? (8)
- (ii) Explain how the morals and ethics guide one's professional life. (8)

Or

(b) Write a short notes on the following human values :

- (i) Respect for others (4)
- (ii) Self Confidence (4)
- (iii) Spirituality (4)
- (iv) Living peacefully. (4)

12. (a) (i) Compare and contrast between 'Ethics of Care' and 'Ethics of rules and rights'. (12)
- (ii) What are the various senses of engineering ethics? (4)

Or

- (b) (i) What are the various situations in engineering leading to moral dilemma? Mention the various steps in confronting moral dilemma. (10)
- (ii) Describe the various models of professional roles. (6)

13. (a) (i) Explain why Engineering viewed as experimental process? (8)
- (ii) What are various characteristics that make an engineer as a responsible experimenter? (8)

Or

- (b) Explain the moral issues concerned with challenger space shuttle incident.

14. (a) (i) "Collegiality an essential virtue for an effective team" – Justify. (8)
- (ii) Explain how the institutional authority differs expert authority. (8)

Or

- (b) Write a short note on :
- (i) Risk benefit analysis. (4)
 - (ii) Discrimination. (4)
 - (iii) IPR. (4)
 - (iv) Occupational crime. (4)

15. (a) Explain the role of engineer in weapons development.

Or

- (b) Describe how the sample code of ethics, a moral guide for professional conduct.

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