

A 290

B.E./B.Tech. DEGREE EXAMINATION, NOVEMBER/DECEMBER 2005.

Seventh Semester

GE 035 — PROFESSIONAL ETHICS

(Common to All Branches)

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. What is engineering ethics?
2. Give Rawl's two basic moral principles applicable to societies.
3. List the reasons behind viewing engineering projects as experiments.
4. What reasons lead to many repetitions of past mistakes?
5. List the methods that can be applied when testing is inappropriate.
6. What is meant by 'risk'?
7. What do you mean by employee rights and list its categories?
8. List the different categories of whistle-blowing with a short explanation.
9. What do you mean by appropriate technology?
10. List any four international rights listed by Donaldson.

PART B — (5 × 16 = 80 marks)

11. (i) Give the steps in confronting moral dilemmas. (4)
- (ii) Explain the skills needed to handle problems about moral issues in engineering ethics. (6)
- (iii) Discuss the different models of professional roles. (6)

12. (a) Discuss on the different roles played by the codes of ethics set by professional societies. (16)

Or

- (b) Give the code of ethics promulgated by Institute of Electrical and Electronics Engineers and discuss. (16)

13. (a) Give a detailed discussion on safety and risk. (16)

Or

- (b) (i) Explain in detail the effect of information on risk assessment. (8)

- (ii) Write notes on Personal risk, public risk. (8)

14. (a) Discuss the concept of confidentiality with respect to professional ethics. (16)

Or

- (b) (i) List and explain the features of whistle-blowing that characterize the cases with an example. (8)

- (ii) Write short notes on professional rights. (8)

15. (a) (i) Discuss on three senses of 'Relative' values. (8)
- (ii) Describe the moral threats posed by the revolutionized communication using computers to the right to privacy. (8)

Or

- (b) (i) Give the philosophical views of nature and discuss them. (8)

- (ii) Describe the concept of environmental ethics with a case study. (8)