

**J 1185**

B.E./B.Tech. DEGREE EXAMINATION, MAY/JUNE 2006.

Seventh Semester

Civil Engineering

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 are the three different levels of moral development suggested by Kohlberg?
2. List the different models of professional roles.
3. Mention the five widely used tests for evaluating ethical theories.
4. Give the limitations of code.
5. What reasons lead to many repetitions of past mistakes?
6. Give Lowrance's definition for safety and acceptability of risk.
7. List the methods that can be applied when testing is inappropriate.
8. Define whistle-blowing and when it occurs.
9. List any four international rights listed by Donaldson.
10. What do you mean by appropriate technology?

PART B — (5 × 16 = 80 marks)

11. (i) Explain the skills needed to handle problems about moral issues in engineering ethics. (8)
- (ii) Discuss the different models of professional roles. (8)

12. (a) (i) State the similarities to view engineering projects as experiments. (8)
- (ii) How engineering projects differs from standard experimentation? (8)

Or

- (b) Discuss on the roles played by the codes of ethics set by professional societies. (16)
13. (a) (i) Explain in detail the effect of information on risk assessment with an example. (8)
- (ii) Write notes on : Personal risk, Public risk. (8)

Or

- (b) (i) Describe the concept of risk-benefit analysis. (8)
- (ii) Give any four examples of improved safety and explain. (8)
14. (a) Explain the concept of collegiality and loyalty. (16)

Or

- (b) Write short notes on :
- (i) Professional rights. (8)
- (ii) Employee rights for privacy and choice of outside activities. (8)
15. (a) (i) Describe the moral threats posed by the revolutionized communication using computers to the right to privacy. (8)
- (ii) Describe the concept of environmental ethics with a case study. (8)

Or

- (b) (i) Discuss on three senses of 'Relative' values. (8)
- (ii) Give the philosophical views of nature and discuss them. (8)