

Reg. No. .

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

M 2169

B.E./B.Tech. DEGREE EXAMINATION, APRIL/MAY 2008.

Seventh Semester

Civil Engineering

GE 035 — PROFESSIONAL ETHICS

(Common to all branches Except Bio-Medical Engineering)

(Common to Bio-Medical Engineering Fifth Semester)

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. What are the steps in confronting Moral dilemmas?
2. Discuss on self respect and human rights.
3. Give the functions of code of ethics.
4. What are the responsibilities of engineers to society?
5. What are the faulty assumptions about safety?
6. What is meant by 'voluntary risks'?
7. Differentiate copyright and patent.
8. Define the word 'Confidentiality'.
9. What is meant by 'Globalization'?
10. Write on the international rights suggested by Donaldson.

PART B — (5 × 16 = 80 marks)

11. (a) Discuss the theories pertaining to Moral Autonomy' with specific reference to consensus and controversy.

Or

- (b) Where and how do moral dilemmas arise in engineering?

12. (a) What are said to be the main elements included in 'Informed Consent'? Enumerate the conditions that would define valid consent.

Or

- (b) Summarize the relationship between the codes and the experimental nature of engineering in concurrence with the limitations.

13. (a) What are the safety lessons we can learn from three mile island and Chernobyl safe exits?

Or

- (b) Discuss briefly on Engineers as Experimenters. Explain this with the case analysis of the Chernobyl case.

14. (a) What are the procedures to be followed for 'whistle blowing'? How can this be avoided?

Or

- (b) What is institutional authority? How do you correlate institutional authority, expert authority and power?

15. (a) Discuss the pros and cons of encouraging multinational companies from ethical point of view.

Or

- (b) Explain the role of engineers as expert witnesses and advisors.
-