

24

Roll No:

B.E (Full Time) DEGREE END SEMESTER EXAMINATIONS, April / May 2011

Common to Civil, Geo, Mech, Manuf, Indu, Print, Mining

Fifth Semester

GE 381 PROFESSIONAL ETHICS IN ENGINEERING

(Regulations 2004)

Duration: Three hours

Max. Marks: 100

Answer ALL questions:

PART A (10 x 2 = 20 marks)

1. Define normative enquiry.
2. Compare Profession and job.
3. Define ethical relativism.
4. Justify the need for moral autonomy in an organization.
5. What is meant by safe exit in any product?
6. Classify risk.
7. Define loyalty.
8. What is the importance of Intellectual property rights?
9. List some international rights.
10. What are the characteristics of good leader?

Part-B (5 x 16 = 80)

11. a. (i) What are the differences between standard experiments and engineering experiments? 6
 - (ii) Describe the ethical violations in challenger space shuttle. 10
 12. a. (i) How to confront a moral dilemma. 6
 - (ii) Explain Kohlberg's theory. 10
- OR**
- b.(i) Explain controversies and consensus decision making. 6
 - (ii) Elaborate the uses of different ethical theories in detail. 10
13. a. (i) How public risks are perceived and explain with Bhopal gas tragedy. 12
 - (ii) List different types of risk benefit analyses. 4

OR

b. Explain how risks are reduced and also discuss the risk benefit analyses. 16

14. a. (i) Describe collective bargaining in detail. 10
(ii) Discuss conflict of interest. 6

OR

- b. (i) Explain Professional rights and employee rights. 12
(ii) How discrimination in an organization can be eradicated? 4

15. a. (i) Weapons development – Ethical or Unethical - Justify. 8
(ii) Discuss business ethics associated multinational corporations. 8

OR

- b. (i) Discuss the role of engineers as expert witnesses and advisors. 12
(ii) Can engineers be a good manager- Justify. 4