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Question Paper Code : 27266

B.E./B.Tech. DEGREE EXAMINATION, NOVEMBER/DECEMBER 2015.

Fifth Semester

Mechanical Engineering

GE 6075 — PROFESSIONAL ETHICS IN ENGINEERING

(Regulations 2013)

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. Define Spirituality.
2. What are the qualities of a self confident people?
3. What is meant by moral autonomy?
4. Mention the various types of inquires.
5. What are the limitations of code of ethics?
6. What are the conditions are essential for a valid informed consent?
7. Define risk-benefit analysis
8. What is meant by whistle blowing?
9. What is meant by moral leadership?
10. What is Technology Transfer?

PART B — (5 × 16 = 80 marks)

11. (a) Write brief notes on Yoga and meditation for Professional excellence and stress management.

Or

- (b) (i) What is courage? What are salient features of courage? (8)
- (ii) Write short notes on honesty. (8)

12. (a) (i) Explain the Gilligan's theory for moral development. (8)
(ii) What are the different types of model of professional roles? (8)

Or

- (b) (i) Explain the theory of human right ethics and its classifications. (8)
(ii) What is meant by self interest? Relate the term with "Ethical Egoism" with suitable examples. (8)

13. (a) What are the different roles and function of "Code of Ethics"? (16)

Or

- (b) (i) Explain in detail the powerful support and proper role of law in engineering. (8)
(ii) With a case study explain the "learn from the past" in engineering experimentation. (8)

14. (a) Discuss the concept of safe exit in the Chernobyl case study. (16)

Or

- (b) (i) What is Intellectual Property Rights (IPR)? Explain any one essential element of an IPR. (8)
(ii) What is occupational crimes? Explain any one in detail. (8)

15. (a) Discuss the ethical issues related to computer ethics. (16)

Or

- (b) Discuss the following in detail
(i) Engineers as consultants. (8)
(ii) Engineers as expert witness and advisors. (8)