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Question Paper Code : 11258

B.E./B.Tech. DEGREE EXAMINATION, APRIL 2014.

Eighth Semester

Electrical and Electronics Engineering

080280080 — PROFESSIONAL ETHICS

(Regulation 2008)

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. What is civic virtue?
2. Define spirituality.
3. Mention the approaches to engineering ethics.
4. What do you mean by Heinz's dilemma?
5. What are the conditions that are essential for a valid informed consent?
6. What are the limitations of "code of ethics"?
7. State the industrial definition on "Safety".
8. What is the use of knowledge of risk acceptance to an engineer?
9. Why do engineers try to avoid weapon work?
10. Who are referred to as moral leader?

PART B — (5 × 16 = 80 marks)

11. (a) Write short notes on :
- (i) Work ethic service learning (8)
 - (ii) Living peacefully and honestly. (8)

Or

- (b) Explain the following :
- (i) Courage and valuing time (8)
 - (ii) Cooperation and commitment. (8)
12. (a) (i) Compare general ethics from engineering ethics. (4)
- (ii) Briefly explain the three main levels of moral developments, developed by Laurence-Kohlberg. (12)

Or

- (b) Explain how reasonable persons have reasonable disagreements on moral issues in Engineering ethics.
13. (a) (i) "The role of engineering as an experimentation in the process of designing a product" —Justify. (8)
- (ii) Discuss the conscientious commitment of an engineer to live by moral values. (8)

Or

- (b) Briefly discuss about the space shuttle Challenger accident. What are the ethical problems involved in this?
14. (a) Explain the analytical methods available in testing the safety of an engineering product.

Or

- (b) Write briefly about essential elements of intellectual property rights.
15. (a) Discuss about how the engineers be used effectively for managing conflicts in technological companies.

Or

- (b) Discuss about computer ethics in detail.