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Question Paper Code : 51254

B.E./B.Tech. DEGREE EXAMINATION, APRIL/MAY 2015.

Fifth/Sixth/Seventh/Eighth Semester

Mechanical Engineering

GE 1301 — PROFESSIONAL ETHICS AND HUMAN VALUES

(Common to Aeronautical Engineering, Automobile Engineering, Biomedical Engineering, Chemical Engineering, Electrical and Electronics Engineering, Electronics and Communication Engineering, Computer Science and Engineering, Marine Engineering and Textile Technology)

(Regulation 2008)

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

Define the following:

1. Values and ethics.
2. Empathy and spirituality.
3. Consensus and controversy.
4. Customs and religion.
5. Social experiment.
6. Codes of ethics.
7. Safety and risk.
8. Collegiality and loyalty.
9. Environmental ethics.
10. Computer ethics.

PART B — (5 × 16 = 80 marks)

11. (a) (i) Write short notes on the following:
- (1) Work Ethics
 - (2) Civic virtue
 - (3) Honesty
 - (4) Self- confidence. (8)
- (ii) Discuss the various moral issues in engineering. (8)

Or

- (b) (i) What is meant by the term 'living peacefully'? Explain with suitable examples. (8)
- (ii) Discuss the various types of work ethics to be followed by engineers. (8)
12. (a) (i) Explain the sense of engineering ethics. (8)
- (ii) Discuss the different types of inquiry. (8)

Or

- (b) (i) Explain Kohlberg's theory, Glligan's theory and Heinz's dilemma. (8)
- (ii) Discuss the various models of professional roles. (8)
13. (a) Explain 'Engineers as responsible experimenters' with suitable examples.

Or

- (b) (i) Discuss the 'Code of Ethics' for Engineers. Also state the importance of following these codes. (8)
- (ii) Elucidate the 'Challenger case study'. (8)
14. (a) (i) What is meant by 'Intellectual Property Right'? Explain its types and significance. (8)
- (ii) How to avoid conflicts of interest? (8)

Or

- (b) (i) Differentiate between processional and employee rights. (8)
- (ii) What is whistle blowing? Explain its features and types. (8)

15. (a) (i) Discuss the benefits of Multi National Corporations. What can MNCs do to promote morally just measures? (8)
- (ii) Describe the destructive nature and power of weapons and their development. (8)

Or

- (b) (i) What steps can be taken by managers to improve the ethical climate? (8)
- (ii) What is leadership and who are moral leaders? (8)
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