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<b>Question Paper Code : 86608</b>
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B.E./B.Tech. DEGREE EXAMINATIONS, NOVEMBER/DECEMBER 2021.

Seventh/Eighth Semester

Mechanical Engineering

GE 1301 – PROFESSIONAL ETHICS AND HUMAN VALUES

(Common to Electronics and Communication Engineering)

(Regulations 2008)

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. Define Values and ethics.
2. Define Empathy and spirituality.
3. List out few uses of Ethical theories.
4. What is Moral Dilemmas?
5. Give the advantages of Industrial standards.
6. Comment on the code, “Engineers shall issue public statements in an objective and truthful manner”.
7. What is meant by Safety? Give an example for relative safety.
8. Distinguish between Authority and Power.
9. What is Environmental Ethics?
10. What is Expert Witness?

PART B — (5 × 16 = 80 marks)

11. (a) Differentiate service learning and volunteerism. Define service learning. Discuss the importance and characteristics of service learning.

Or

- (b) What do you mean by Honesty? Why and how the modern society discourages it? List out a few thoughts of emotional Honesty.

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, Gilligan's theory and Heinz's dilemma. (8)  
(ii) Discuss the various models of professional roles. (8)

13. (a) What is Code of Ethics? Discuss the various attributes of code of ethics with reference to ethical personality.

Or

- (b) What is Collective Bargaining and discuss the procedure of Collective Bargaining in the industries.

14. (a) Discuss the techniques and ways of assessment of safety and risk and also highlight on the risk-benefit analysis.

Or

- (b) What is professional rights and employee rights?

15. (a) What do you understand by 'transfer of appropriate technology'? In this context discuss the ethical issues involved in the Bhopal Gas tragedy. Suggest some tips for safe transfer of appropriate technology. (16)

Or

- (b) (i) What are the roles and responsibilities of consulting engineers? Discuss. (8)  
(ii) How do you think engineers abuse their profession? (8)