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Question Paper Code : 57403

B.E./B.Tech. DEGREE EXAMINATION, MAY/JUNE 2016

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. What are the values ?
2. What is meant by self confidence ?
3. State Gilligans theory.
4. What is meant by consensus ?
5. Differentiate scientific experiments and engineering projects.
6. Give the limitations of codes.
7. Differentiate between Risk analysis and Risk benefit analysis.
8. What is intellectual property right ?
9. What is moral leadership ?
10. What is meant by Globalization ?

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PART – B (5 × 16 = 80 Marks)

11. (a) Explain character and spirituality and their importance in ethics.

OR

- (b) Explain the importance of self confidence in ethics.

12. (a) Explain in details about the senses of Engineering Ethics.

OR

- (b) Discuss in details the various ethical theories and their uses.

13. (a) How can engineer become a responsible experimenter ? Highlight the code of ethics for Engineers.

OR

- (b) Discuss on the roles played by the codes of ethics set by professional societies.

14. (a) What are the factors that affect risk acceptability ? What is the use of knowledge of risk acceptance to engineer ?

OR

- (b) Discuss the significance of intellectual property rights. Also explain the legislation covering IPR in India.

15. (a) Describe in details about the Global issues of Weapons development.

OR

- (b) Justify Engineers as Expert witness and Advisors with suitable examples.