

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**

**Answer ALL questions.**

**PART–A (10 X2 = 20 Marks)**

1. What are the values?
2. What is meant by self confidence?
3. State Gilligan's 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?

PART-B (5 x 16 = 80 Marks)

11. (1) Explain Character and spirituality and their importance in ethics.

OR

(b) Explain the importance of self confidence in ethics

12. Explain in details about the senses of Engineering Ethics.

OR

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 affects 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 detail about the Global issues of Weapons development

OR

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