

Code: EE5T7

III B.Tech - I Semester – Regular Examinations - November 2014

**PROFESSIONAL ETHICS
(ELECTRICAL & ELECTRONICS ENGINEERING)**

Duration: 3 hours

Marks: 5x14=70

Answer any FIVE questions. All questions carry equal marks

1. a) What do you mean by Engineering Ethics? Explain in detail. 6 M
- b) Give a brief note on dishonesty in Engineering. 3 M
- c) Why do you think Engineering Ethics is essential to an Engineer? Explain. 5 M
2. a) What is the importance of codes of Ethics? Give a brief account on '4' canons of codes of ethics given by international standard or associates. 7 M
- b) Write short notes on the importance of values in handling science and technology. Why is it so important to understand professional ethics in the modern business scenario? 7 M
3. a) What is meant by Moral Autonomy and self respect. Explain. 4 M

- b) What do you mean by Utilitarianism? Explain its significance. 5 M
- c) Discuss moral Choices. 5 M
4. a) What are various features of Engineering Experiments? Point out the important features of morally responsible engineers and write a note on Accountability. 7 M
- b) Give brief description on Engineering as Social Experimentation. 7 M
5. a) Compare safe risk and unsafe risk. 5 M
- b) Discuss on safety. What safety measures are to be taken to establish a nuclear power plant in a country. 9 M
6. a) Under what circumstances does an employee get into conflict of interest using "Inside Information"? 7 M
- b) Define Confidentiality. Explain it's related forms and criteria for identifying the Confidentiality information. 7 M
7. a) Give a brief note on dishonesty in engineers. 6 M

- b) What is meant by Whistle-Blowing? What are the main features that characterize the Whistle-Blowing. Explain the approaches behind presenting Whistle – Blowing. 8 M
8. a) How does respect of nature help the human beings? 7 M
- b) Explain the significance of environmental ethics? 7 M