

Code: 9A03808

1

B.Tech IV Year II Semester (R09) Regular Examinations, March/April 2013

**PROFESSIONAL ETHICS & INTELLECTUAL PROPERTY RIGHTS**

(Mechanical Engineering)

Time: 3 hours

Max. Marks: 70

Answer any FIVE questions.  
All questions carry equal marks.

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- 1 (a) What are the three types of inquiry?  
(b) Explain the utilitarian analysis of a moral problem.
- 2 (a) Discuss engineering as social experimentation.  
(b) State ethical issues in maintenance.
- 3 What are the ways in which conflict problems can be resolved?
- 4 Explain the responsibilities of engineers with regard to environment.
- 5 Discuss the competing rationales of intellectual property rights protection.
- 6 (a) Discuss the objectives and functions of trademark.  
(b) Write a brief note on types of marks.
- 7 (a) State the functions of united states copyright office.  
(b) What are the recent amendments enacted to the 1976 copyright Act.
- 8 Write short notes on:
  - (a) Design patents.
  - (b) Plants patents.
  - (c) Double patenting.

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- 1 Compare and contrast the psychological theory of Kohlberg and Gilligan.
- 2 Explain briefly the ethical issues concerning the challenger case.
- 3 Write short note on:
  - (a) Intellectual property rights.
  - (b) Human rights.
  - (c) Espionage.
- 4 Discuss the environmental ethics with examples.
- 5
  - (a) Briefly explain the agencies responsible for intellectual property registration.
  - (b) Write the salient features of TRIPS agreement.
- 6
  - (a) Discuss the rationale of trade marks.
  - (b) Explain the different categories of marks.
- 7 What is a copyright? Outline the objectives and functions of the united states copyright office.
- 8 Discuss what policy reasons underlie the principle that products and items that occur naturally cannot be patented.

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3

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- 1 (a) What are the uses of ethical theories?  
(b) Explain ethical dilemma with examples.
- 2 Discuss the moral issues that engineer faces at the design stage of the product.
- 3 Explain the relationship between safety-risk-cost-price.
- 4 (a) List out the various types of cyber crimes.  
(b) What are the ten commandments of computer ethics?
- 5 Explain the classification and main forms of intellectual property rights.
- 6 Discuss in detail, the laws and treaties governing trademarks.
- 7 Explain the recent developments in the copyright Act.
- 8 Write short notes on:
  - (a) Double patenting.
  - (b) Patentability.
  - (c) Design patents.

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- 1 (a) Define ethics, profession and professionalism.  
(b) What are the principles of ethics?
- 2 (a) What is social experimentation?  
(b) What are the responsibilities of engineers as experimenters?
- 3 Write short notes on:  
(a) Safety  
(b) Risk.  
(c) Collegiality.  
(d) Loyalty.
- 4 Explain the ethical issues related to environment.
- 5 Explain the meaning and types of intellectual property rights.
- 6 (a) Explain the purpose and functions of trademarks.  
(b) Write a brief note on 'exclusions from trademark protection.'
- 7 Discuss common law rights and rights under the 1976 copyright Act.
- 8 Define patent and discuss Federal laws relating patents.

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