

G 1748

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Reg. No.....

Name.....

B.TECH. DEGREE EXAMINATION, MAY 2016

Eighth Semester

Branch : Applied Electronics and Instrumentation/Electronics and Communication Engineering/Electronics and Instrumentation Engineering/Instrumentation and Control Engineering

AI 010 805 G04
EI 010 805 G06
EC 010 805 G06
IC 010 805 G06

PROFESSIONAL ETHICS—Elective IV [AI, EI, EC, IC]

(New Scheme—2010 Admission onwards)

[Regular/Supplementary]

Time : Three Hours

Maximum : 100 Marks

Part A

Answer all questions.

Each question carries 3 marks.

1. How does the integrity of an individual lead to a successful professional culture ?
2. What is the importance of codes of ethics ?
3. What do you understand by sustainable development ?
4. Define the duty of confidentiality in an organization.
5. What is meant by moral leadership in a professional workplace ?

(5 × 3 = 15 marks)

Part B

Answer all questions.

Each question carries 5 marks.

6. Differentiate between Sympathy and Empathy.
7. "Morals should become habits of an engineer." Explain.
8. List out the environmental factors to be considered while designing a product.
9. Describe the trade-off between safety and risk.
10. Write notes on ethics in weapon development.

(5 × 5 = 25 marks)

Turn over

Part C

Answer all questions.

Each question carries 12 marks.

11. What is self-esteem ? Explain the factors that affect self-esteem of an individual.
Or
12. How do the factors like valuing time, commitment and respect for others create work ethics ?
Explain.
13. Discuss the relevance of Kohlberg's and Gilligan's ethical theories.
Or
14. Explain the different approaches to moral behaviour in engineering ethics.
15. What is sustainable development ? Explain the industrial, economic and environmental aspects of sustainability.
Or
16. Explain the characteristics of an engineer that make his career a people-serving profession.
17. Compare and contrast engineering projects with scientific/social experiments.
Or
18. Write notes on (i) Intellectual property rights ; (ii) Employee rights of an engineer.
19. Explain how the internet has magnified the issues related with computer ethics.
Or
20. Explain the role of engineers as expert witnesses and advisors.

(5 × 12 = 60 marks)

