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Question Paper Code : 30753

B.E./B.Tech. DEGREE EXAMINATIONS, NOVEMBER/DECEMBER 2024.

Sixth/Seventh/Eighth Semester

Civil Engineering

GE 8076 — PROFESSIONAL ETHICS IN ENGINEERING

(Common to : Aeronautical Engineering/Aerospace Engineering/
Agriculture Engineering/Automobile Engineering/Biomedical Engineering/
Computer Science and Engineering/Computer and Communication
Engineering/Electrical and Electronics Engineering/Electronics and
Communication Engineering/Electronics and Instrumentation
Engineering/Electronics and Telecommunication Engineering/
Environmental Engineering/Geoinformatics Engineering/Industrial Engineering/
Industrial Engineering and Management/Instrumentation and Control
Engineering/Manufacturing Engineering/Marine Engineering/Material Science and
Engineering/Mechanical Engineering/Mechanical Engineering (Sandwich)/
Mechanical and Automation Engineering/Mechatronics Engineering/Medical
Electronics/Petrochemical Engineering/Production Engineering/Robotics and
Automation/Safety and Fire Engineering/Bio Technology/Chemical
Engineering/Chemical and Electrochemical Engineering/Fashion Technology/Food
Technology/Handloom and Textile Technology/Information
Technology/Petrochemical Technology/Petroleum Engineering/Pharmaceutical
Technology/Plastic Technology/Polymer Technology/ Textile Chemistry/Textile
Technology)

(Regulations 2017)

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. Define accountability in a professional context.
2. Differentiate between 'ethics' and 'morality'.
3. What is 'consensus'?
4. Write a short note on Lawrence Kohlberg theory.

5. What is 'transparency' in governance?
6. Define Social Experimentation.
7. What is 'risk'?
8. What do you understand by 'occupational crime'?
9. Give any two examples of multinational company.
10. What is meant by 'moral leadership'?

PART B — (5 × 13 = 65 marks)

11. (a) Discuss how commitment, self confidence and character helps in managing one's professional life.
Or
(b) Discuss the importance of yoga for professional excellence and stress management.
12. (a) Elaborate on the types of inquiry with examples.
Or
(b) Describe Gilligan's theory of moral development.
13. (a) Explain the codes of ethics involved in engineering as a social experimentation.
Or
(b) Explain the role of engineers as responsible experimenters.
14. (a) Elaborate on the professional rights of engineers in detail.
Or
(b) What are intellectual property rights? Explain with examples.
15. (a) What are computer ethics? Discuss how computers are used as unethical instrument?
Or
(b) Explain in detail about the issues of environmental ethics specific to the field of engineering.

PART C — (1 × 15 = 15 marks)

16. (a) Discuss some salient aspects of professional ethics with special reference to an example in the field of engineering.

Or

- (b) Discuss how 'corporate social responsibility' makes a difference to the lives of underprivileged communities.
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