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Question Paper Code : 42634

B.E./B.Tech. DEGREE EXAMINATION, APRIL/MAY 2018

Fifth/Sixth/Seventh/Eighth Semester

Civil Engineering

GE 2025 – PROFESSIONAL ETHICS IN ENGINEERING

(Common to all Branches)

(Regulations 2008)

[Also common to PTGE 2025 – Professional Ethics in Engineering for B.E. (Part-Time)
Fifth and Seventh Semester – Common to all Branches – Regulations 2009]

Time : Three Hours

Maximum : 100 Marks

Answer ALL questions

PART – A

(10×2=20 Marks)

1. What is meant by engineering Ethics ?
2. Classify the types of inquiry.
3. List the reasons behind viewing engineering projects as experiments.
4. What are the functions of code of ethics ?
5. Mention any four popularly practiced techniques for safety of employees in an inflammable chemical plant.
6. What is meant by valid consent ?
7. Distinguish between authority and power.
8. What do you mean by conflicts of interest ? Give examples.
9. What is 'Environmental ethics' ? Give examples
10. What is meant by moral leadership ?



PART – B

(5×16=80 Marks)

11. a) Discuss in detail the uses and limitations of ethical theories. (16)
(OR)
b) Explain the scope of engineering ethics. (16)
12. a) How do you call an engineer as a responsible experimenter? (16)
(OR)
b) Give justifications on how the challenger disaster could have been avoided by engineers. (16)
13. a) Discuss the causes of Bhopal disaster. Explain the responsibilities of engineers in the design of product in the design stage itself before event of action. (16)
(OR)
b) Define risk benefit analysis. Why is it conducted? What are the limitations of risk benefit analysis? (16)
14. a) i) Discuss the significance of loyalty and collegiality in team work. (8)
ii) Describe the concept of confidentiality professional ethics. (8)
(OR)
b) Discuss the significance of intellectual property rights. Also explain the legislations covering intellectual property rights in India. (16)
15. a) Explain the basic concepts of environmental ethics through case studies. (16)
(OR)
b) Discuss the various global issues that have an impact on business. (16)