Reg. No. : | | | | | | | | | | | | |

Question Paper Code : 91653

B.E./B.Tech. DEGREE EXAMINATIONS, NOVEMBER/DECEMBER 2019
Fifth/Sixth/Seventh/Eighth Semester
Civil Engineering
GE 6075 – PROFESSIONAL ETHICS IN ENGINEERING
(Common to Agriculture Engineering/Automobile Engineering/Biomedical Engineering/Civil Engineering/Computer Science and Engineering/Electrical and Electronics Engineering/Electronics and Communication Engineering/ Electronics and Instrumentation Engineering/Geoinformatics Engineering/ Industrial Engineering/Instrumentation and Control Engineering/Manufacturing Engineering/Materials Science and Engineering/Mechanical Engineering/ Mechatronics Engineering/Production Engineering/Chemical Engineering/ Fashion Technology/Food Technology/Handloom and Textile Technology/ Information Technology/Petroleum Engineering/Plastic Technology/Polymer Technology/Textile Chemistry/Textile Technology)
(Regulations 2013)

(Also common to PTGE 6075 – Professional Ethics in Engineering for B.E. (Part-Time) Fifth Semester Civil Engineering – Sixth Semester – Computer Science and Engineering, Electronics and Communication Engineering, Electrical and Electronics Engineering, Regulations 2014)

Time : Three Hours | Maximum : 100 Marks

Answer ALL questions.

PART – A **(10×2=20 Marks)**

1. What is service learning ?
2. Define Honesty.
3. What is meant by Moral Autonomy ?
4. Give classification of ethical theories.
5. What are the elements of informed consent ?
6. What are the limitations of codes of ethics ?

7. What is 'Safe Exists' ?
8. State the reasons that may cause risk.
9. Define Appropriate Technology.
10. Explain the meaning of 'moral leadership'.

PART – B **(5×13=65 Marks)**

11. a) Explain the different ways to improve the Spirituality in Corporate Environment.

(OR)

b) Write short notes on yoga and meditation for professional excellence and stress management. Explain the different ways to improve the human values.

12. a) Explain the three levels of moral developments with respect to Gilligan Views.

(OR)

b) What is Duty Ethics ? Explain in detail.

13. a) Discuss on 'Engineers as responsible experimenters'.

(OR)

b) What are the functions of codes of ethics ?

14. a) Explain the risk benefit analysis and conceptual problems associated with it.

(OR)

b) What are the elements of intellectual property rights ? Explain.

15. a) Discuss the ethical issues related to computer ethics.

(OR)

b) Explain the role of engineers as "Consulting Engineers".

PART – C **(1×15=15 Marks)**

16. a) Explain in detail the challenger accident. What are the ethical problems involved in this ?

(OR)

b) 'A nuclear accident anywhere is a nuclear accident everywhere'. Explain this with respect to Three Mile Island Case Study.