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**Question Paper Code : 50638**

B.E./B.Tech. DEGREE EXAMINATION, NOVEMBER/DECEMBER 2017  
Fifth/Sixth/Seventh/Eighth Semester  
Civil Engineering  
GE 6075 – PROFESSIONAL ETHICS IN ENGINEERING

(Regulations 2013)

(Common to Agriculture Engineering, Automobile Engineering, Biomedical 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, Information Technology, Petroleum Engineering, Plastic Technology, Polymer Technology, Textile Chemistry, Textile Technology)

Time : Three Hours

Maximum : 100 Marks

Answer ALL questions.

PART – A

(10×2=20 Marks)

1. What are the General Characteristics of values ?
2. What are the two important ways of building Courage ?
3. State the three types of Inquiry.
4. What are the two important versions of utilitarianism ?
5. What is meant by Conscientiousness ?
6. What are codes of Ethics referred to ?
7. Define Safety.
8. What does the term Collective Bargaining refer to ?
9. What is meant by Technology transfer ?
10. Point out the responsibilities of Consulting Engineers.



## PART – B

(5×13=65 Marks)

11. a) What is Service Learning ? Why service Learning is important ? Explain the Characteristics of Service Learning.  
(OR)
- b) Define Empathy. State and explain the Elements, Benefits of Empathy and compare Empathy with Sympathy.
12. a) What is meant by Moral Autonomy ? Discuss the factors influencing a persons's concern and the skills required to improve Moral Autonomy.  
(OR)
- b) Describe the Professional roles played by an Engineer.
13. a) What are Codes of Ethics ? State and explain the functions of codes of ethics and the objections to codes.  
(OR)
- b) Discuss the problems associated with laws in Engineering and Enumerate the proper Role of Law Engineering.
14. a) What is meant by conflict of interest ? Distinguish between General and Professional Conflicts of Interest and Discuss the various types of Conflicts of interest.  
(OR)
- b) What are Intellectual Property Rights ? Explain the elements of Intellectual Property Rights in detail and benefits of IPRS.
15. a) State the types of concern for environment by the Engineers. Discuss the approaches to resolve environmental problems. What do professional codes of Ethics say about the environment ?  
(OR)
- b) What is meant by Computer Ethics ? State and Explain the categories of ethical problems and the unethical acts computer as an instrument of unethical behaviour. What is meant by hacking ?

## PART – C

(1×15=15 Marks)

16. a) Explain in detail about the yoga and meditation for professional excellence and stress management.  
(OR)
- b) Explain in detail about the assessment of safety and Risk.
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