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Question Paper Code	12597
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**B.E. / B.Tech. - DEGREE EXAMINATIONS, APRIL / MAY 2024**

Eighth Semester

**Computer Science Engineering**

**GE8076 - PROFESSIONAL ETHICS IN ENGINEERING**

Regulations - 2017

Duration: 3 Hours

Max. Marks: 100

**PART - A (10 × 2 = 20 Marks)**

Answer ALL Questions

	Marks	K-Level	CO
1. Write the difference between ethics, morale and values.	2	K2	CO1
2. Mention the importance of spirituality.	2	K1	CO1
3. What is meant by moral dilemma?	2	K1	CO2
4. Write any three uses of ethical theories.	2	K1	CO2
5. List out the limitations of code of ethics.	2	K1	CO3
6. Differentiate scientific experiments and engineering projects.	2	K2	CO3
7. What are the uses of Risk Analysis?	2	K1	CO4
8. Write the advantages of collective bargaining.	2	K1	CO4
9. Define environmental ethics.	2	K1	CO5
10. What is the basic ethical and moral responsibility of a manager-engineer?	2	K1	CO5

**PART - B (5 × 13 = 65 Marks)**

Answer ALL Questions

11. a) Explain the importance of self-confidence in ethics.	13	K2	CO1
<b>OR</b>			
b) Discuss in detail how far the Yoga and meditation improves ones personality and help to achieve professional excellence and stress management.	13	K2	CO1
12. a) Describe Kohlberg theory & Gilligan theory on Moral Autonomy with Heinz Dilemma.	13	K2	CO2
<b>OR</b>			
b) Explain in detail the types of inquiry in engineering ethics.	13	K2	CO2
13. a) Engineers are responsible experimentors. Discuss.	13	K2	CO3
<b>OR</b>			
b) Explain in detail the powerful support and the proper role of law in engineering.	13	K2	CO3

14. a) i) What is Occupational Crimes? Explain any one in detail. 8 K2 CO4  
ii) Describe the concept of Risk – Benefit analysis with suitable example. 5 K2 CO4

**OR**

- b) i) Discuss the importance of IPR. 8 K2 CO4  
ii) Discuss on Employee rights. 5 K2 CO4
15. a) What is meant by computer Ethics? What is the nature of ethical problems that computer create? 13 K2 CO5

**OR**

- b) Justify engineers as expert witness and advisors with suitable examples. 13 K2 CO5

**PART - C (1 × 15 = 15 Marks)**

16. a) Explain the essential roles of code of ethics and its limitations. 15 K3 CO6
- OR**
- b) With various examples explain the various ethical issues faced by a consultant engineer. How an engineer can create a good ethical climate in any industry? 15 K3 CO6