

Reg.No.:



VIVEKANANDHA COLLEGE OF ENGINEERING FOR WOMEN

[AUTONOMOUS INSTITUTION AFFILIATED TO ANNA UNIVERSITY, CHENNAI]

Elayampalayam – 637 205, Tiruchengode, Namakkal Dt., Tamil Nadu.

Question Paper Code: 5002

B.E. / B.Tech. DEGREE END-SEMESTER EXAMINATIONS – MAY / JUNE 2024

Eighth Semester

Computer Science and Engineering

U19CSV57 – PROFESSIONAL ETHICS IN ENGINEERING

(Regulation 2019)

Time : Three Hours

Maximum : 100 Marks

Answer ALL the questions

Knowledge Levels (KL)	K1 – Remembering	K3 – Applying	K5 - Evaluating
	K2 – Understanding	K4 – Analyzing	K6 - Creating

PART – A

(10 x 2 = 20 Marks)

Q.No.	Questions	Marks	KL	CO
1.	Contrast Moral and Ethics.	2	K2	CO1
2.	List some of the examples of Normative Enquiry.	2	K1	CO1
3.	Show the two general ways to apply ethical theories. Justify the basic right of professional conscience.	2	K1	CO2
4.	Infer the limitations of standardized experimentation.	2	K2	CO2
5.	Define the term safety. How is it related to risk?	2	K1	CO3
6.	Outline the uncertainties that occur in model design.	2	K2	CO3
7.	Show the condition in which an identification loyalty is said to be an obligation.	2	K1	CO4
8.	Interpret Intellectual Property Rights with its benefits.	2	K2	CO4
9.	Outline the importance of computer ethics.	2	K2	CO5
10.	Infer the reasons for preferring engineers as managers in corporate management.	2	K2	CO5

PART – B

(5 x 13 = 65 Marks)

Q.No.	Questions	Marks	KL	CO
11.	a) Explain in detail about types of inquiry with appropriate use cases.	13	K2	CO1
	(OR)			
	b) Compare and contrast Kohlberg and Gilligan's theories on moral autonomy.	13	K2	CO1
12.	a) Explain the challenger space shuttle disaster. Discuss the violation of moral, ethical and professional codes of standards in it. How to avoid such disaster in future?	13	K2	CO2
	(OR)			
	b) Summarize with valid assumptions for the current social situation-“Engineers as responsible Experimenters”.	13	K2	CO2
13.	a) Explain in detail about the Bhopal disaster case study and discuss the concept of safety existed in this case study.	13	K2	CO3
	(OR)			
	b) “Safety in a commodity comes with a piece”-Substantiate with explanation. Outline how the knowledge of risk is always better for safety with suitable examples.	13	K2	CO3
14.	a) Infer in detail about collective bargaining. How it is related to business?	13	K2	CO4
	(OR)			
	b) Explain “Employee rights” and its role in a business organization.	13	K2	CO4
15.	a) Organize the significance of environmental ethics for an engineer by giving examples of environmental issues.	13	K3	CO5
	(OR)			
	b) Interview the ethical role of engineers as a consulting engineer with suitable examples.	13	K3	CO5

PART – C

(1 x 15 = 15Marks)

Q.No.	Questions	Marks	KL	CO
16.	a) Explain about Chernobyl disaster. Discuss the ethical problem in it. Suggest some measures for avoiding the scenario in future from engineering perspective.	15	K2	CO3
	(OR)			
	b) Summarize the reasons of why an engineer should care about environmental ethics by providing a real-time example.	15	K2	CO5