

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: 50005

B.E. / B.Tech. DEGREE END-SEMESTER EXAMINATIONS – NOV. / DEC. 2024

Seventh Semester

Computer Science and Engineering

U19CSV57 – PROFESSIONAL ETHICS IN ENGINEERING

(Regulation 2019)

Time: Three Hours

Maximum: 100 Marks

Answer ALL the questions

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

PART – A

(10 x 2 = 20 Marks)

Q.No.	Questions	Marks	KL	CO
1.	Distinguish between ethics & morals.	2	K2	CO1
2.	List out various types of virtues.	2	K1	CO1
3.	What are the responsibilities of engineers to the society?	2	K2	CO2
4.	State the purpose of various types of standards.	2	K1	CO2
5.	State the purpose of risk benefit analysis.	2	K2	CO3
6.	What are the three conditions referred as safe exit?	2	K1	CO3
7.	Name the central elements of collegiality.	2	K2	CO4
8.	What are the essential elements of IPR?	2	K1	CO4
9.	Differentiate between technology transfer and appropriate technology.	2	K1	CO5
10.	How engineers justify their involvements in weapons works?	2	K1	CO5

PART – B

(5 x 13 = 65 Marks)

Q.No.	Questions	Marks	KL	CO
11. a)	Write the various moral theories & Discuss in detail the Gilligan's theory.	13	K2	CO1
	(OR)			
b) i.	Explain the various causes of moral dilemma.	6	K3	CO1
ii.	Discuss the role & importance of Ethics in Engineering.	7		
12. a)	Explain the role of engineering projects as the experiments.	13	K3	CO2
	(OR)			
b)	Discuss the limitations of codes from engineering experimentation point of view.	13	K3	CO2
13. a)	Explain the assessment of Risk and Safety method.	13	K3	CO3
	(OR)			
b)	How shall be the government regulator's approach to risk?	13	K2	CO3
14. a)	Explain the different types of conflicts of interest with suitable examples.	13	K3	CO4
	(OR)			
b)	Discuss in detail the various basic rights of an engineer	13	K2	CO4
15. a)	Discuss an engineer's involvement in weapons work.	13	K3	CO5
	(OR)			
b)	"Engineers have a moral right to carry out what they consider to be unethical activity" Explain in detail with a case study.	13	K3	CO5

PART – C

(1 x 15 = 15 Marks)

Q.No.	Questions	Marks	KL	CO
16. a)	Discuss in detail on the Ethical behavior of an individual is it same when he is "alone or in a group of company" and "should ethics be prompted or imposed"	15	K3	CO5
	(OR)			
b)	The moral responsibility of engineers should go beyond merely following the law. Discuss.	15	K3	CO3