FRANCIS XAVIER ENGINEERING COLLEGE
(An Autonomous Institution)
Tirunelveli-627003
Department of Computer Science and Engineering
CONTINUOUS ASSESSMENT TEST -I
Third Year/ Fifth Semester
19ME5501 - PROFESSIONAL ETHICS FOR ENGINEERS

(Regulation 2019)

Time: Three hours   **Maximum: 100 Marks**

Answer ALL Questions

PART – A (10 x 2 = 20 Marks)

Q.No	Question	RBT - LEVEL	CO	PI	Marks
1.	Define human values.	Remember	CO1	8.3.1	2
2.	State work ethics.	Remember	CO1	9.5.4	2
3.	What is service learning?	Remember	CO1	8.4.2	2
4.	List out some civic virtues that we can implement in our city.	Remember	CO1	8.4.2	2
5.	"Moral Autonomy is needed for life" – Justify.	Evaluate	CO2	9.5.4	2
6.	"Models of professional roles" – Discuss and explain where it can be useful..	Create	CO2	8.4.1	2
7.	Identify the importance of Self Interest.	Apply	CO2	8.4.2	2
8.	Illustrate the various types of Inquiries available.	Understand	CO2	9.4.1	2
9.	Give the general features of morally responsible engineers.	Understand	CO3	9.4.1	2
10.	Differentiate scientific experiments and engineering projects.	Analyze	CO3	9.4.1	2

PART – B (5 x 13 = 65 Marks)

Q.No	Question	RBT - LEVEL	CO	PI	Marks
11 (a)	Assume that you are working in a company and explain how you express the integrity and importance of Work Ethics in your work place?	Analyze	CO1	9.5.4	13
	(Or)				
(b)	Discuss about how respect for others play important role in ethics and list some people on how you show respect for them in your life and also Discuss about the art of living peacefully in this critical world.	Create	CO1	9.5.2	13
12 (a)	Summarize the importance of sharing and the impact it produces in the downtrodden people in this society by caring them.	Understand	CO1	8.3.1	13
	(Or)				
(b)	Discuss the importance of courage in detail and emphasize that how it is not only important for soldiers but also for normal living and also explain how honest is important in life?	Create	CO1	8.3.1	13
13(a)	Examine the importance of empathy and differentiate it from sympathy.	Analyze	CO1	9.6.1	13
	(Or)				
(b)	"If wealth is lost something is lost, If health is lost something is lost, But if character is lost, everything is lost" - Explain the above quote by giving importance to character.	Understand	CO1	8.4.2	13
14a)	Can you depict the senses of Engineering Ethics in connection with the society we are living in? "Engineering Ethics" – Can you explain how it relates to our profession?	Understand	CO2	8.3.1	8 7
	(Or)				

(b)	Assume that you are working in a Multi National corporation in a foreign country and explain the types of Moral issues happen in that work place?	Analyze	CO2	8.4.2	15
15 (a)	"Kohlberg's theory had a strong male bias" - With the above context explain the Gilligan's Theory in contrast with that.	Understand	CO2	8.4.2	13
	(Or)				
(b)	- Pre-conventional level - conventional level - post-conventional level – Analyse all the above levels and summarize all in connection with the Kohlberg Theory.	Understand	CO2	8.4.2	13

PART – C (1 x 15 = 15 marks)

Q.No	Question	RBT - LEVEL	CO	PI	Marks
16 (a)	Explain about Challenger disaster case study and discuss the issues on it.	Evaluate	CO3	8.4.2	15
	(Or)				
(b)	Assume that you are working in a Software Firm as an Engineer and explain how you can act as a responsible experimenter there? Explain the general responsibilities and also the general features of responsible Engineer.	Analyze	CO3	9.4.1	15

Competency Level Analysis:

Competence level	Revised Blooms' Taxonomy	Question No.	Marks	Contribution in %
K1	Remember	1,2,3,4	8	4.44
K2	Understand	9,8, 12a, 13b,14a, 15a, 15b	69	38.33
K3	Apply	7	2	1.11
K4	Analyze	16b, 14b, 13a, 11a, 10	56	31.11
K5	Evaluate	16a,5	17	9.44
K6	Create	12b, 11b,6	28	15.56
Total			180	100

Course Outcome	Marks	Contribution in %
CO1	86	47.78
CO2	60	33.33
CO3	34	18.89
Total	180	100

Prepared by   Checked By   Approved by