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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.	Generalize the concept of self-confidence.	Create	CO1	8.4.2	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.	Summarize the drawbacks of Utilitarianism.	Understand	CO2	8.4.2	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.	“Engineers are considered as responsible experimenters” – Justify	Evaluate	CO3	9.4.1	2

PART – B (5 x 13 = 65 Marks)

Q.No	Question	RBT - LEVEL	CO	PI	Marks
11 (a)	Formulate how yoga and meditation are useful for stress management and professional excellence.	Create	CO1	8.3.1	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)	Examine the Uses of ethical theories that help the people to live a balanced life.	Analyze	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)	Analyse the concept of engineering as experimentation and also Describe and Compare engineering experiments with standard experiments.	Analyze	CO3	9.4.1	15

Competency Level Analysis:

Competence level	Revised Blooms' Taxonomy	Question No.	Marks	Contribution in %
K1	Remember	2,3,4	6	3.33
K2	Understand	9,8, 6,12a, 13b,14a, 15a	58	32.22
K3	Apply	7	2	1.11
K4	Analyze	16b, 14b, 13a, 15b	54	30.00
K5	Evaluate	16a,5,10	19	10.56
K6	Create	1,12b, 11b, 11a	41	22.78
Total			180	100

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

