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FRANCIS XAVIER ENGINEERING COLLEGE
(An Autonomous Institution)
Tirunelveli-627003
Department of Computer Science and Engineering
CONTINUOUS ASSESSMENT TEST –II – Set 2
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	Marks	CO-K Level	PI
1.	What are the limitations of code of ethics?	2	CO3 – K1	8.4.1
2.	Survey the need of the law in engineering.	2	CO3 – K4	8.4.2
3.	Write short notes on the concept of safety.	2	CO4– K1	8.4.1
4.	Define “acceptability of risk”.	2	CO4– K1	9.5.4
5.	Examine the job related risks.	2	CO4– K4	9.5.4
6.	How can risk be reduced? Explain.	2	CO4– K1	9.5.4
7.	Define Globalization.	2	CO5– K1	8.4.1
8.	Examine the term “Engineers as Advisors”.	2	CO5– K4	9.5.1
9.	What is computer ethics?	2	CO5 –K2	8.4.1
10.	Illustrate the concept of Consulting Engineers.	2	CO5 –K2	9.5.1

PART – B (5 x 13 = 65 Marks)

Q.No	Question	Marks	CO	PI
11 (a)	Discuss in detail about balanced outlook emphasis in governing engineering practice.	13	CO3–K2	8.4.1
(Or)				
(b)	What is the importance of codes of ethics? Give a brief account on four canons of codes of ethics given by an international standard or associates.	13	CO3–K2	8.4.2
12 (a)	Can you depict the concept of safety and risk?	13	CO4–K2	9.5.4
(Or)				

(b)	Discuss about Collective Bargaining. Explain the role of collective bargaining in workplace rights and responsibilities.	13	CO4–K2	9.5.4
13(a)	“Employee rights” and “Professional rights” – Explain the two terms that how these are being practiced in our country.	13	CO4–K2	8.4.1
(Or)				
(b)	“Risk Benefit Analysis” – Can you explain how important the term is and the different analytical methods used when testing is inappropriate.	13	CO4–K2	9.4.2
14a)	Assume a Multinational Software Company and explain how the Computer Ethics can be practiced there?	13	CO5– K4	8.4.1
(Or)				
(b)	What does Environmental Ethics deal with? Discuss the holistic approaches of Environmental Ethics. Write a note on “Acid Rain”	13	CO5–K2	8.4.1
15 (a)	Discuss on Engineer’s involvement in weapon’s development and analyse the problems faced by the Defence Industry.	13	CO5–K2	9.5.4
(Or)				
(b)	“Corporate Responsibility” and “Code of Conduct” – Explain the two terms that how these are being practiced in our environment.	13	CO5 –K2	9.5.1

PART – C (1 x 15 = 15 marks)

Q.No	Question	Marks	CO	PI
16 (a)	Assume a Multinational Software Company and explain how the Occupational crime takes place there and also about the conflicts of interest?	15	CO4– K4	9.5.4
(Or)				
(b)	Summarize the Bhopal and Chernobyl Case study issues and the impact it produces in this society.	15	CO4– K4	9.5.1

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