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**FRANCIS XAVIER ENGINEERING COLLEGE**  
**(An Autonomous Institution)**  
**Tirunelveli-627003**  
**Department of Computer Science and Engineering**  
**CONTINUOUS ASSESSMENT TEST -II**  
**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 functions 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 Corporate Social Responsibility.	2	CO5–K2	9.5.1

**PART – B (5 x 13 = 65 Marks)**

Q.No	Question	Marks	CO	PI
<b>11 (a)</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	8.4.1
(Or)				
<b>(b)</b>	Discuss in detail about balanced outlook emphasis in governing engineering practice.	13	CO3–K2	8.4.2
<b>12 (a)</b>	Can you depict the concept of safety and risk?	13	CO4–K2	9.5.4
(Or)				

<b>(b)</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	9.5.4
<b>13(a)</b>	“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>(b)</b>	Discuss about Collective Bargaining. Explain the role of collective bargaining in workplace rights and responsibilities.	13	CO4–K2	9.4.2
<b>14a)</b>	Assume a Multinational Software Company and explain how the Computer Ethics can be practiced there?	13	CO5– K4	8.4.1
(Or)				
<b>(b)</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
<b>15 (a)</b>	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>(b)</b>	What are the reasons for selecting Engineers as Managers? How to maintain the ethical climate in organizations? List the principles for conflict resolution and how to solve the conflicts through the managerial approach.	13	CO5 –K2	9.5.1

**PART – C (1 x 15 = 15 marks)**

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

**Competency Level Analysis:**

<b>Competence level</b>	<b>Revised Blooms' Taxonomy</b>	<b>Question No.</b>	<b>Marks</b>	<b>Contribution in %</b>
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

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

Prepared by

Checked By

Approved by