Seat No.: _____   Enrolment No._____

GUJARAT TECHNOLOGICAL UNIVERSITY
MCA INTEGRATED– SEMESTER IX- EXAMINATION –WINTER-2022

Subject Code: 2698603   **Date: 29/12/2022**
Subject Name: Ethics in Computing
Time: 10:30 AM TO 01:00 PM   **Total Marks: 70**
Instructions:

    1. Attempt all questions.
    2. Make Suitable assumptions wherever necessary.
    3. Figures to the right indicate full marks.

Q.1	**(a)**	Answer all the questions below.	
		1. Define IOT. Name two important areas where IOT is implemented? [1]	
		2. What is False Claim Act? [1]	
		3. Has automation caused massive layoffs—Yes or No? Justify. [2]	
		4. Write about polygraph testing. What is the purpose of it? [1]	
		5. Differentiate Emulation and Hypervisor. [2]	
	(b)	Explain the term "Privacy" and discuss three attributes of Privacy. Unit-5 How has the advent of Internet accelerated the rate and scale of Privacy Violation? Discuss.	**07**
Q.2	**(a)**	In today's technology-driven world, why is professional decision Making is considered to be a very difficult process? Explain. Unit-4	**07**
	(b)	Discuss the challenges in hunt down the cyber criminals.	**07**
		OR	
	(b)	Define computer crime. What are the various ways to prevent computer crimes? Explain. Unit-9	**07**
Q.3	**(a)**	What do you mean by virtualization? Write about aspects of virtualization with suitable examples. Unit-10	**07**
	(b)	Write a short note on anonymity and discuss the advantages and disadvantages of the same. Unit-5	**07**
		OR	
Q.3	**(a)**	Shortly write on the intellectual property rights in cyberspace. Unit-6	**07**
	(b)	What is Digital Divide? Discuss the factors affecting the Digital Divide. Unit-7	**07**
Q.4	**(a)**	Write about the positive and negative impacts of Electronic surveillance on the employees.	**07**
	(b)	What is smart parking? Illustrate the smart parking IOT application. Unit-12	**07**
		OR	
Q.4	**(a)**	Define cyberbullying and write about various types of it. What are the various ways to deal with it? Discuss. Unit-11	**07**
	(b)	How the role of Cloud computing and Big data can be felt with IOT? Explain with an example. Unit-12	**07**
Q.5	**(a)**	Why are cybercrimes on the rise? Discuss.	**07**
	(b)	Write a short note on "Increasing importance of Ergonomics."	**07**
		OR	
Q.5	**(a)**	Briefly discuss the causes of software failure. Unit-8	**07**
	(b)	Define the Code of Ethics and the objectives of Code of Ethics. Unit-3	**07**

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