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B.M.S. College of Engineering, Bengaluru-560019

Autonomous Institute Affiliated to VTU

June 2025 Semester End Main Examinations

Programme: B.E.

Semester: VII

Branch: Computer Science and Engineering

Duration: 3 hrs.

Course Code: 22CS7HSCFI

Max Marks: 100

Course: Cyber Law, Forensics And IPR

Instructions: 1. Answer any FIVE full questions, choosing one full question from each unit.
2. Missing data, if any, may be suitably assumed.

			UNIT - I			CO	PO	Marks
Important Note: Completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages. Revealing of identification, appeal to evaluator will be treated as malpractice.	1	a)	Identify and explain the Section that deals with the Authentication of Electronic Records.				<i>CO2</i>	<i>PO</i> 2
		b)	Mukesh wants to retain his documents and records in electronic form. Identify the Section in IT Act 2000 that addresses this issue.			<i>CO1</i>	<i>PO1</i>	10
	OR							
	2	a)	Government wants to publish Rules and Regulations in electronic form, analyze the section which addresses this and explain the section in detail.			<i>CO2</i>	<i>PO2</i>	10
		b)	Analyze and explain in detail the Objectives of IT ACT 2000.			<i>CO1</i>	<i>PO1</i>	10
	UNIT - II							
	3	a)	i) In 2019, Bangalore police arrested a serial killer for the kidnap and murder of a boy. When digital forensic investigators examined the killer's computer, they recovered a document which he had used in planning his crimes. This was used as evidence that his actions were premeditated and was one of the reasons why he was given the death penalty. List and explain in detail the services that Computer forensic provide which the forensics professionals would have used for successfully solving the case. ii) Analyze and explain the different types of Business Forensic Technology.			<i>CO2</i>	<i>PO2</i>	10
		b)	i) Identify and explain the uses, features and benefits of the tool that turns a personal computer into a diskette analysis tool and helps the computer forensic specialists and computer security specialists in their investigations. ii) Discuss who can use computer forensic evidence and the problems associated with the evidence.			<i>CO2</i>	<i>PO2</i>	10

OR					
4	a)	Mr. Mahesh is a Computer Forensic Specialist, analyze the various activities he is responsible for performing computer forensic procedures in order to identify and retrieve the evidence.	CO2	PO2	10
	b)	A Computer forensic expert has to recover evidences using complex procedures, analyze the procedures that the expert should know to recover such evidences.	CO2	PO2	10
UNIT - III					
5	a)	Define Data Recovery. Justify as to why it is necessary for organizations to have Data Backup. Identify and explain the different Obstacles of Backup in detail.	CO2	PO2	10
	b)	List and explain the rules that Cyber forensic expert has to follow while collecting electronic evidence, also specify the Basic do's don'ts to be followed during this process.	CO1	PO1	10
OR					
6	a)	Mr. Peter has to Collect evidences for a cybercrime, Analyze and explain in detail the various collection steps that he has to perform.	CO2	PO2	10
	b)	Analyze in detail how backup can be done using Backup Window and Backup storage devices.	CO2	PO2	10
UNIT - IV					
7	a)	A brick manufacturing company in India invents a machine which is capable of producing Cement blocks using new method. Since none of them had tried this process the company plans to apply for a patent. Analyze the basic criteria of patentability that should be satisfied, for this work to be patentable and explain in detail.	CO2	PO2	10
	b)	Discovery of a scientific principle or the formulation of an abstract theory or discovery of a living thing or non-living substance occurring in nature cannot be patentable in India, Analyze and explain all such Exclusions which cannot be patentable in India as per the patent Act 2002.	CO2	PO2	10
OR					
8	a)	Describe in detail about Contents and Forms of specification.	CO1	PO1	10
	b)	An engineer wants to apply for a Patent, describe in detail the contents of a Complete Specification required to file such patent.	CO1	PO1	10
UNIT - V					
9	a)	Analyze and explain the different characteristics of Copyright in detail.	CO2	PO2	10
	b)	Explain in detail the main Features of Copyright ACT of 1957.	CO1	PO1	10

			OR			
	10	a)	Identify the Act that defines infringement of copyright and explain in detail, also identify the factors to be taken into consideration for substantial copying and discuss in brief.	<i>CO2</i>	<i>PO2</i>	10
		b)	An author who published a book in the year 2000 expires in 2030. Till what time will the copyright on his work last. Identify the section that handles this issue and explain the different Sections with respect to the term of the copyright.	<i>CO2</i>	<i>PO2</i>	10

REAPPEAR EXAMS 2024-25