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

Autonomous Institute Affiliated to VTU

April 2025 Semester End Make-Up 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.

				CO	PO	Marks
			UNIT - I	*CO*	*PO*	**Marks**
	1	a)	Define cyberlaw and describe the objectives of IT Act 2000.	*CO1*	*PO1*	**5**
		b)	Describe Section-1 of the Information Technology Act, 2000 in detail.	*CO1*	*PO1*	**10**
		c)	Identify the section of Information Technology Act, 2000 that specifies authentication of electronic records and explain the same in detail.	*CO2*	*PO2*	**5**
			OR			
	2	a)	Justify as to how Section 4 of the IT Act, 2000 address the legal recognition of electronic records, and specify the key factors that ensure their validity in a legal context.	*CO2*	*PO2*	**5**
		b)	Create a scenario for cyber theft and analyze the critical role of the Indian Telegraph Act, 1885 in addressing cyber theft.	*CO2*	*PO2*	**5**
		c)	List and explain in detail any three Cyber Terror Cases in India.	*CO1*	*PO1*	**10**
			UNIT - II			
	3	a)	Define computer forensics. List and explain the use of computer forensics in law enforcement.	*CO1*	*PO1*	**10**
		b)	Describe in detail as to how computer forensics professionals ensure the integrity, accuracy, and legal compliance of digital evidence throughout the process of seizure, recovery, duplication, analysis, and expert testimony in both criminal and civil cases.	*CO1*	*PO1*	**10**
			OR			
	4	a)	List and explain the different types of law enforcement computer forensic technologies in detail.	*CO1*	*PO1*	**10**

				CO	PO	
		b)	Analyze and explain in detail the different types of Business Computer Forensics Technologies.	CO1	PO1	**10**
			UNIT - III			
	5	a)	List and explain the rules that Cyber forensic expert has to follow while collecting electronic evidence, List some basic do's and don'ts that are derived using these rules.	CO2	PO2	**10**
		b)	List any eight general computer evidence processing steps and explain the same.	CO2	PO2	**10**
			OR			
	6	a)	Describe as to how maintaining a chain of custody, along with proper documentation and analysis, ensure the integrity of digital evidence during a computer forensic investigation.	CO1	PO1	**10**
		b)	Identify and explain the different Obstacles of Backup in detail.	CO2	PO2	**10**
			UNIT - IV			
	7	a)	Analyze the principles underlying the patent law in India and explain each of them in detail.	CO2	PO2	**10**
		b)	Justify as to how the Patents Act safeguards industrial innovations while requiring inventors to disclose their inventions, and what role does it play in providing incentives for research and development. Elaborate the same in detail.	CO2	PO2	**10**
			OR			
	8	a)	Describe in detail the procedure for obtaining the patent.	CO1	PO1	**10**
		b)	Describe as to how the Indian Constitution's approach to property rights under Articles 19(1) and 31, along with the absence of explicit intellectual property protection, differ from the US Constitution's specific provision for intellectual property under Article 1(8) in balancing conflicting rights, explain in detail.	CO1	PO1	**10**
			UNIT - V			
	9	a)	Discuss whether specification can be amended once it is filed. Justify your answer in detail.	CO1	PO1	**10**
		b)	Explain in detail the different exceptions pertaining to ownership of copyright.	CO1	PO1	**10**
			OR			
	10	a)	Explain in detail the different characteristics of copyright.	CO1	PO1	**10**
		b)	Explain in detail the different forms of transferring the patent rights.	CO1	PO1	**10**

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