

U.S.N.

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

Autonomous Institute Affiliated to VTU

## August 2024 Supplementary Examinations

**Programme: B.E.**

**Branch: Computer Science and Engineering**

**Course Code: 21CS7HSCFI**

**Course: Cyber Law, Forensics and IPR**

**Semester: VII**

**Duration: 3 hrs.**

**Max Marks: 100**

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

<b>Important Note:</b> Completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages. Revealing of identification, appeal to evaluator will be treated as malpractice.			<b>UNIT - I</b>	<b>CO</b>	<b>PO</b>	<b>Marks</b>
	1	a)	Analyze the factors that led to the emergence of Cyberlaw in India	CO2	PO2	6
		b)	Justify that there is an urgent need to develop the law of tort in India by the Government to address Privacy in Cyberspace	CO2	PO2	6
		c)	Abhishek wants to retain his documents and records in electronic form. a) Identify the law that addresses this issue b) Analyze the three conditions that would give legal status to the retained electronic records.	CO2	PO2	8
			<b>OR</b>			
	2	a)	The Public Provident Fund office, a Central Government run organization accepts online application forms for opening an account, as well as payment from its account holders, identify the section that gives legal validity for such a transaction and explain the section in detail.	CO2	PO2	6
		b)	A Real Estate Consultancy firm is planning to host a website about its services, identify the precautionary measures that can be adopted to prevent litigations.	CO1	PO1	6
		c)	List the three Subsections of Section – 12 of IT Act 2000 and Explain in detail.	CO2	PO2	8
			<b>UNIT - II</b>			
	3	a)	Cyber harassment is not covered under IT ACT 2000, Justify with a case study. Also identify the IPC sections that handles the same.	CO2	PO2	6
		b)	In 2019, Delhi police got a case where a computer that was used in performing a crime had to be analyzed, which comprised of unknown strings of text files. Identify the tool that aid in the identification of relevant evidence also elaborate on the features and benefits of the tool.	CO2	PO2	6

	c)	A serial killer was arrested for the kidnap and murder of a seven year old student in California. 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 an 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.	CO1	PO1	8
		<b>UNIT - III</b>			
4	a)	Industry experts estimate that over 56% of the data in client/server network is still not backed up on regular basis. Analyze the hurdles that these companies are facing in backing up the applications.	CO2	PO2	6
	b)	In 2007, Indians were shocked by the discovery of bodies of deceased children and adults in the house of Moninder Singh Pandher in Noida's Nithari village. The Case was reported and Forensic experts started the investigation looking for Evidences. Analyze the basic forms of collection that could be adapted as part of investigation.	CO2	PO2	6
	c)	Dennis Radar was a serial killer who killed at least ten people in Kansas from 1974 to 1991. He was known as the BTK killer for his deeds. He would break into his victim's homes and bind, torture, and kill them. Radar would send taunting letters to law enforcement and media and this was eventually what helped lead to his capture. Radar had sent a floppy disk to a TV station and digital forensic scientists were able to recover a deleted Microsoft Word document on it that led them to identify Rader. List the general computer evidence processing steps that the computer investigator has to follow and explain any four of them in detail.	CO1	PO1	8
		<b>UNIT - IV</b>			
5	a)	Erik Wallenberg from U.S. had just started his job as a laboratory assistant at Tetra Pak when one day he became responsible for the whole laboratory operation. His boss, Ruben Rausing, gave him a task, to create a new milk carton, the milk carton was to be made out of paper, like its predecessors in the USA. Erik Wallenberg went home and started to think. In the end, he succeeded in coming up with a solution - a model where the carton was to be manufactured out of one single piece, a triangular tetrahedron. Now he wants to take patent on this. Analyze the basic criteria's of patentability that should be satisfied, for his work to be patentable and explain in detail.	CO2	PO2	6
	b)	Define Intellectual property and brief out on the Hegel's theory on Property.	CO1	PO1	6
	c)	A scientist involved in space research discusses a scientific principle with his colleague. The colleague uses the principle and	CO1	PO1	8

		invents a working device based on the principle and applies for the patent. Illustrate the different grounds on which a representation of opposition could be given by the scientist to the controller and explain in detail.			
		<b>UNIT - V</b>			
6	a)	An artist performing in a cinematograph film has claimed copyright over his performance. Analyze the rights that an artist of the work has by virtue as defined in section 14 of the Copyright Act.	CO2	PO2	<b>6</b>
	b)	Investigate the requirements as specified in Section 90 of Patent Act with respect to the terms and conditions that compulsory licence should conform to and explain in detail.	CO2	PO2	<b>6</b>
	c)	Analyze the different forms of transfer of patent right and explain each of them in detail.	CO2	PO2	<b>8</b>
		<b>OR</b>			
7	a)	Analyze Section 41 that lists out the conditions as to when the work of certain international organization would be entitled to a copyright throughout India, explain in detail.	CO2	PO2	<b>6</b>
	b)	If a poem writer has as copyright of a song and if he or any person authorized by him translates and publishes it in the same language, what would be the consequences of such an act. Identify the Section of Copyright Act that handles such a situation.	CO1	PO1	<b>6</b>
	c)	A Complete Specification can be amended once it has been filed. Analyze the conditions for which a complete specification can be amended in detail.	CO2	PO2	<b>8</b>

\*\*\*\*\*