

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: 22CS7HSCFI**

**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.

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.			<b>UNIT - I</b>	<b>CO</b>	<b>PO</b>	<b>Marks</b>
	1	a)	Describe each of the terms mentioned below with respect to IT Act2000 (i) Subscriber (ii) Electronic Gazette (iii) Originator	CO1	PO1	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.	CO2	PO2	8
		c)	Create a scenario that reflects how a Cyber theft can be covered under the ambit of existing laws.	CO3	PO3	6
			<b>OR</b>			
	2	a)	Cyber harassment is not covered under IT ACT 2000, Justify with an example	CO2	PO2	6
		b)	Raj dispatches an electronic record to Peter as per the scheduled date and time, but Peter insists that he has not received the same. Identify and explain the section that comes to the rescue of Raj.	CO2	PO2	8
		c)	Analyze the factors that led to the emergence of Cyberlaw in India	CO2	PO2	6
			<b>UNIT - II</b>			
	3	a)	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	CO2	PO2	6
		b)	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	CO3	PO3	8
		c)	Analyze and explain the different types of Business Forensic Technology.	CO2	PO2	6

		<b>UNIT - III</b>			
4	a)	Differentiate between backup server using shared library and server-less backup solution with relevant diagrams.	CO2	PO2	6
	b)	In a Pharma company, a doctor was prescribing a particular banned medicine from this pharma to his patients. Since many patients showed peculiar symptoms a case was filed. The doctor was charged with a criminal case, his conviction was partially due to evidence that was found on his computer that showed he had been prescribing medicines from the banned pharma. Identify the type of evidence this comes to and also Analyze the five rules that need to be followed during the course of collecting electronic evidence.	CO2	PO2	8
	c)	Illustrate in detail the steps to be followed for controlling contamination of evidence	CO1	PO1	6
		<b>UNIT - IV</b>			
5	a)	Can the inventor of new process of by-pass surgery claim a patent for new surgical method invented by him, Justify your answer by specifying the sections of the Indian Patents Act.	CO2	PO2	6
	b)	List the steps involved in obtaining the patent and explain the procedure for Registration of patent in detail.	CO2	PO2	8
	c)	Define Intellectual property and Elaborate on the Marx's theory on Property.	CO2	PO2	6
		<b>UNIT - V</b>			
6	a)	A neurologist applies a patent for the cure of Parkinson's disease in new method and is granted, but a doctor from a private hospital uses this method claiming it to be his invention. Analyze as to how the neurologist can go ahead with the issue and describe in detail who has the right to institute a suit for infringement of patents.	CO2	PO2	6
	b)	Outline the statutory definition of Copyright. Analyze the characteristics of copyright as specified in Section 14 of the Copyright act 1957 in detail.	CO2	PO2	8
	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	6
		<b>OR</b>			
7	a)	An author who published a book in the year 1990 expires in 2000. 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	CO2	PO2	6
	b)	A scientist in the council of Medical Research invents a painless method of removing cataract; he wants to file for patent and is in the process of writing specification. Analyze the contents of complete specification that he has to include before submitting it to the Examiners in the Controller's office	CO2	PO2	8
	c)	Describe Substantial copying and Direct evidence of copying with respect to infringement of copyrights.	CO1	PO1	6