ODD SEMESTER EXAMINATION, 2023 – 24
1st Year M. Tech.– CS&E
CYBER LAWS AND ETHICS

Duration: 3:00 hrs   **Max Marks: 100**

Note: - Attempt all questions. All Questions carry equal marks. In case of any ambiguity or missing data, the same may be assumed and state the assumption made in the answer.

Q 1.	Answer any four parts of the following.	5x4=20
	a) What is the significance of cryptographic algorithms in securing digital communications?	
	b) Elaborate on the real approach in legal analysis and its relevance to addressing tangible issues in the digital realm, such as cybercrimes.	
	c) Discuss the significance of e-security in electronic business.	
	d) Define cyber ethics and explain its significance in promoting responsible and ethical behavior online.	
	e) Compare and contrast the legal implications of traditional paper contracts with paperless contracts in the context of e-commerce.	
	f) Explain how the IT Act provides legal recognition to electronic records and the conditions under which such recognition is granted.	
Q 2.	Answer any four parts of the following.	5x4=20
	a) Discuss the role of private cryptography in the IT Act and its implications for the confidentiality of electronic communications.	
	b) Differentiate between copyright protection and patent protection for software.	
	c) How are legal frameworks adapting to new technologies and business models in the digital era?	
	d) How do ethical principles guide the responsible use of information in an interconnected society?	
	e) Explore the legal protection mechanisms for electronic databases. How can database creators safeguard their intellectual property?	
	f) Explain the concept of cyber jurisprudence and its significance in dealing with legal issues related to the internet and digital technologies.	
Q 3.	Answer any two parts of the following.	10x2= 20
	a) Explore the role of blockchain ethics in ensuring transparency, security, and accountability in decentralized systems.	
	b) Discuss the role and responsibilities of certifying authorities as defined in the IT Act and their significance in the authentication of digital signatures.	
	c) Analyze the intersection of domain names and copyright disputes. How can conflicts between domain names and copyrighted content be resolved?	
Q 4.	Answer any two parts of the following.	10x2= 20
	a) Define Electronic Data Interchange (EDI) and discuss its relevance in e-	

	commerce. How does legal compliance with EDI standards impact electronic business transactions?	
	b) What are the ethical issues surrounding the development and deployment of artificial intelligence (AI)?	
	c) Define cyberspace and discuss its emergence as a distinct and influential domain in the realm of information technology.	
Q 5.	Answer any two parts of the following.	10x2= 20
	a) What challenges and complexities arise in determining cyber jurisdiction, and how do legal systems address issues related to jurisdiction in the digital space?	
	b) How does the IT Act legally recognize digital signatures, and what safeguards are in place to ensure their validity and reliability?	
	c) What is Online Dispute Resolution, and how does it function in the context of e-commerce and digital transactions? Discuss its advantages and challenges.	

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