END TERM EXAMINATION

THIRD SEMESTER [MCA] JANUARY-FEBRUARY 2023

Paper Code: MCA253

Subject: Cyber Security & Cyber Laws
Time: 3 Hours

Maximum Marks: 75

Note: Attempt five questions in all including Q.No.1 which is compulsory.

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Q1	Attem	npt the following in brief: What is digital media forensics? Differentiate among Worms, Viruses, and Trojan Hors Is there a difference between "cybercrime" and	(10x2.5=25) es. "cyberfraud"?
	प्रा प्रा	Explain. Differentiate between passive and active attacks with what is a Blind SQL injection attack? Define digital media forensics? What do you understand by the salient features of	examples.
	hi Lif	Act? What is a virus hoax? Describe the main principles of information security? What is the work of WIPO?	
Q2	W)	What is the cyber threat? How it is different from cyber do we classify cybercrimes? Explain each one briefly. Explain the working of email spoofing. Discuss the measures to protect from email spoofing.	(6.5)
Q3	(a) (b)	Discuss the various type of deliberate software attack damage, destroy or deny service to target systems? What are the various essential challenges in mobile se	(6.5)
Q4	a) _	What are Cyber Security Vulnerabilities and what are types of Cyber Security Vulnerabilities? How to Prevent an SQL Injection and How is an Sattack performed?	(6.5)
Q5	a) b)	Wildt is organized	to a string of Red with the her as secure her to be as (6) ymmetric-key
Q6	a) b)	cryptography and Asymmetric cryptography? Explain in detail Digital Signatures and the Indian IT A What are some essential parts of the Information Tec that are used to record cyber-crimes?	(6.5) ACT. (6.5) chnology ACT (6) P.T.O

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Q7 a) What are the steps of the forensic life cycle? (6.5)
b) What are the challenges in Computer Forensics? (6)

Compare and contrast between IDS(Intrusion Detection System) and IPS(Intrusion Prevention System). What are the various intrusion detection methodologies? Also, explain any three types of threats. (12.5)

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