

May 30, 2024 02:30 pm - 05:30 pm 1T00163 - MCA (Sem-III) (R-2021-22) (2 Year Course) / 70731 - Elective IV : Cyber Security & Digital Forensics QP CODE: 10056211

**Time: 3 Hours**

**Total Marks: 80**

**N.B.: (1) Question No.1 is compulsory**

**(2) Attempt any THREE Questions between Questions No. 2 to 6**

**Q1. Answer ANY FOUR out of FIVE questions. (20)**

- a) Indian ITA- 2000
- b) Cyber cafe and Cybercrimes
- c) Steganography
- d) Need of digital Forensics
- e) E-Mail Recovery

**Q2.**

- A) What is cybercrime? Explain the following: E-Mail Spoofing, Internet Time Theft, Industrial Espionage, Online Frauds, Cyber defamation. (10)
- B) What is an SQL injection and what are the different counter measures to prevent the attack? (10)

**Q3.**

- A) What are viruses, worms and Trojans? How do they propagate? (10)
- B) What is digital forensics? Discuss the challenges faced in computer forensics. (10)

**Q4.**

- A) What are the main differences between DOS and DDoS? (10)
- B) What are the various methods of collecting the digital evidence? Enlist the various digital evidence collection steps. (10)

**Q5.**

- A) What is Android Forensics? Explain Android Data Extraction Techniques. (10)
- B) Explain the relevance of the OSI 7 Layer Model to Computer Forensics. (10)

**Q6.**

- A) What is the significance of data recovery and backup? Explain various data recovery solutions. (10)
- B) List the different cyber forensic tools and give the criteria for tool selection. (10)

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