

Enrollment No.....



Faculty of Science
End Sem Examination Dec 2024
FS3SE07 Digital & Fraud Investigation
Programme: B.Sc. (Hons.) Branch/Specialisation: Forensic
Science

Duration: 3 Hrs.

Maximum Marks: 60

Note: All questions are compulsory. Internal choices, if any, are indicated. Answers of Q.1 (MCQs) should be written in full instead of only a, b, c or d. Assume suitable data if necessary. Notations and symbols have their usual meaning.

- | | Marks | BL | PO | CO | PSO |
|--|----------|----|-----|----|-----|
| Q.1 i. Which of the following is not a common type of cyberattack? | 1 | 1 | 1,4 | 1 | |
| (a) Phishing | | | | | |
| (b) DDoS (Distributed Denial of Service) | | | | | |
| (c) Social engineering | | | | | |
| (d) GPS tracking | | | | | |
| ii. Which of the following is an example of a social engineering attack? | 1 | 1 | 1,4 | 1 | |
| (a) Installing antivirus software | | | | | |
| (b) Sending spam emails | | | | | |
| (c) Tricking someone into revealing their password | | | | | |
| (d) Updating computer firmware | | | | | |
| iii. Which layer changes bits into electromagnetic signals? | 1 | 1 | 1,4 | 2 | |
| (a) Session layer | | | | | |
| (b) Data link layer | | | | | |
| (c) Physical layer | | | | | |
| (d) Transport layer | | | | | |
| iv. Which of the protocols provides connection-oriented transmission? | 1 | 1 | 1,4 | 2 | |
| (a) UDP | | | | | |
| (b) TCP | | | | | |
| (c) OSPF | | | | | |
| (d) IS | | | | | |

Marking Scheme**FS3SE07(T) Digital Fraud Investigation (T)**

Q.1	i) d ii) c iii) c iv) b v) a vi) d vii) d viii) b ix) a x) c	1 1 1 1 1 1 1 1 1 1
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Q.2	i. Eavesdropping and Salami Attack ii. TC, IP and UDP protocol iii. Any five act OR iv. Any five types of cyber-attacks	1 Mark each 1 Mark each 1 Mark each 1 Mark each	2 3 5 5
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Q.3	i. a.) Spoofing b.) Internet Time Theft ii. WEP types WPA types OR iii. Definition Seven layers with function	1 Mark each 1 Mark each 4 Marks 4 Marks 1 Mark each 1 Mark each	2 2 8 8
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Q.4	i. a.) Cell Phone Forensic. b.) Computer Forensic. c.) Network Forensic ii. Any Seven forensically important files in SIM. OR iii. Steps Involved in Mobile Forensic Investigation Any Two Tools 1.5 Marks each	1 Mark each 1 Mark each 1 Mark each 1 Mark each 4 Marks 3 Marks	3 3 7 7
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Q.5	i. Definition Any three Sources ii. Steps in Social Media Investigation OR iii. Types of Data Available on Social Networking Sites. Any three evidence collection methods from social networking sites.	1 Mark each 3 Marks 6 Marks 3 Marks	4 6 6
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Q.6	i. Definition Any two tools used by FSL in investigation with an explanation. ii. Command Line Tool Sleuth Kit with explanation iii. a.) Hashing. b.) Forensic Imagin c.) Cloning d.) Write blocker e.) Forensic Workstation	1 Mark 2 Marks each 1 Mark each 4 Marks 1 Mark each 1 Mark each 1 Mark each 1 Mark each 1 Mark each	5
