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(Pages : 2)

Name.....

Reg. No.....

**THIRD SEMESTER M.Sc. DEGREE (REGULAR/SUPPLEMENTARY)
EXAMINATION, NOVEMBER 2025**

(CBCSS)

Forensic Science

FSC 3C 13—DIGITAL AND CYBER FORENSICS

(2019 Admission onwards)

Time : Three Hours

Maximum : 30 Weightage

I. Answer any four of the following. Short Answer Type Questions. Weightage 2 :

- 1 Write a brief on the components of file system.
- 2 What is Booting Process ?
- 3 How is a single system examined ?
- 4 How are deleted files recovered ?
- 5 What is monitoring of network activities ?
- 6 Give a brief on email spoofing.
- 7 What are the types of smartphones ?

(4 × 2 = 8 weightage)

II. Answer any four of the following. Short Essay Type Questions. Weightage 3 :

- 8 Describe the location of memory in a basic computer.
- 9 Give reasons for non-acceptability of open-source cyber forensic software by the Judiciary.
- 10 What is Imaging analysis ? Why are they used ?
- 11 Write a note on DDOS.
- 12 Give the importance of session data examination.
- 13 Describe the procedure of seizure and post seizure protocols of a mobile phone.
- 14 What is Cloud Forensics ?

(4 × 3 = 12 weightage)

Turn over

III. Answer any *two* of the following. Long Essay Type Questions. Weightage 5 :

- 15 Describe the block diagram of a generic computer.
- 16 Describe the tools and techniques for incident response.
- 17 What is Live Packet Capture in a hacking scenario ?
- 18 Describe the types of emails and protocols.

($2 \times 5 = 10$ weightage)