

QP CODE: 26019170



Reg No :

Name :

M.Sc DEGREE (CSS) EXAMINATION, MARCH 2026

Fourth Semester

MSc CYBER FORENSICS

ELECTIVE - CF800403 - MOBILE FORENSIC ANALYSIS

2019 Admission Onwards

B26E5230

Time: 3 Hours

Weightage: 30

Part A (Short Answer Questions)

*Answer any **eight** questions.*

Weight 1 each.

1. What are challenges of mobile forensics?
2. Describe the rule reliable.
3. Explain the file system of Windows phone.
4. How to extract SMS from Windows phone?
5. What are Mobile Device Management softwares?
6. How to gain root access in an Android device?
7. What is the use of Scalpel tool?
8. What is physical data extraction?
9. Explain Address Space Layout Randomization.
10. Define DFU mode.

(8×1=8 weightage)

Part B (Short Essay/Problems)

*Answer any **six** questions.*

Weight 2 each.

11. Explain identification phase and verification phase of evidence extraction process.
12. Explain data acquisition methods in mobile forensics.
13. Explain the working of Cellebrite UFED Touch in BlackBerry.





14. Write a short note on Android and its versions.
15. Explain Android device handling and tasks involved in it.
16. Explain logical data extraction using content providers.
17. Explain SD card memory imaging.
18. Explain Acquisition via a custom ramdisk.

(6×2=12 weightage)

Part C (Essay Type Questions)

*Answer any **two** questions.*

Weight 5 each.

19. Explain general approaches followed in extracting data from mobile devices.
20. Explain in detail about Android forensic setup.
21. Explain in detail about
 - a. AFLogical
 - b. Cellebrite -UFED
 - c. MOBILedit
22. Explain (i) iPhone file system(ii) iOS Architecture

(2×5=10 weightage)

