



National Forensics Sciences University, Goa Campus

Mid Semester Examination

Branch – M.Sc. Cyber Security /M.Tech. A.I. & D.S.

Sem – II

Date- 28/03/2024

Subject Name - Mobile Security /Mobile Security and Forensics

Subject Code - CTMSCS SII P3 / CTMTAICS SII P2

Time- 1.5 Hours

Max.Marks- 50

Instructions - 1) Answer all questions. 2) Assume suitable data.

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| Q.1 | Solve any four | 20 marks |
| | a. What are ADB commands. Explain any five of them. | 5 marks |
| | b. Explain important features of Santoku. Why it is important for mobile forensics? | 5 marks |
| | c. What is Pen-testing? Explain different strategies for Pen-Testing. | 5 marks |
| | d. What is Secure Inter Process Communication? | 5 marks |
| | e. Discuss about GAPPs Project. | 5 marks |
| Q.2 | Attempt all | 15 marks |
| | a. Discuss the binder framework. | 5 marks |
| | b. Use a pictorial representation to describe the android architecture. | 5 marks |
| | c. Why pen testing is important? what are the different steps involved in pen testing? | 5 marks |
| Q. 3 | Attempt a and b | 15 marks |
| Q.3 a | Attempt any one | |
| Q.3 a | 1) Explain the OWASP top 10 vulnerabilities for Mobiles? | 8 marks |
| | OR | |
| | ii) Assume you are the head of IT department in a company. What measures would you take to ensure the security of the company network? | 8 marks |
| Q.3 a | Attempt any one | 7 marks |
| Q3 b | 1) Explain the term vulnerability. Also discuss input validation issues and Path traversal vulnerability. | |
| | OR | |
| | ii) What is lack of binary protections in applications? | 7 marks |