USN ☐☐☐☐☐☐☐☐☐☐   **16/17SFC423**

Fourth Semester M.Tech. Degree Examination, June/July 2019
Mobile Device Forensics

Time: 3 hrs.   Max. Marks: 80

Note: *Answer any FIVE full questions, choosing ONE full question from each module.*

Module-1

1.   a.   Explain Android Open source project.   (08 Marks)
     b.   Explain Internationalization in Android.   (08 Marks)

OR

2.   a.   Define Forensic. Explain Android platform in brief with respect to forensic.   (08 Marks)
     b.   Explain following commands of Linux Android Forensic with example :
         i) CHMOD   ii) SUDO   iii) GREP   iv) RMDIR.   (08 Marks)

Module-2

3.   a.   Explain the overview of different device type.   (08 Marks)
     b.   Explain the boot process of android in detail.   (08 Marks)

OR

4.   a.   List the manufacturers of android devices and explain android updates.   (08 Marks)
     b.   Explain overview of android device core components.   (08 Marks)

Module-3

5.   a.   Explain how Android SDK components Install for windows.   (08 Marks)
     b.   Explain Android OS architecture in detail.   (08 Marks)

OR

6.   a.   Explain : i) AVD on android SDK   ii) Android Security Model.   (08 Marks)
     b.   Explain how is the SDK important in forensics.   (08 Marks)

Module-4

7.   a.   Explain Android devices memory in detail.   (08 Marks)
     b.   Explain mounted file systems and directory structures of android devices in detail. (08 Marks)

OR

8.   a.   Explain Android file system in detail.   (08 Marks)
     b.   Analyse data stored in the shell for android device forensics   (08 Marks)

Module-5

9.   a.   What is Security Philosophy? List various US Federal Computer Crime laws and Regulations.   (08 Marks)
     b.   List techniques attackers use to compromise data in transit and explain Man in middle attack.   (08 Marks)

OR

10.   a.   Explain APP development security strategies in detail.   (08 Marks)
      b.   Explain Corporate security strategies in detail.   (08 Marks)

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