

19. Discuss briefly about Mobile Agent and their types.

20. Explain the following

- (a) Palm OS,
 - (b) Windows CE.
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S.No. 5219

16 SMBECA 2:3/ 16 SCCIT 8

(For candidates admitted from 2016-2017 onwards)

B.C.A./B.Sc. DEGREE EXAMINATION, APRIL 2022.

**Part III — Computer Application/ Information
Technology — Major Based Elective**

MOBILE COMPUTING

Time : Three hours

Maximum : 75 marks

PART A — (10 × 2 = 20)

Answer ALL the questions.

1. What is ad hoc network with example?
2. What is Smart card?
3. State any two features of Smartphone.
4. Define GPS.
5. Expand NSS and OSS.
6. What are the four types of handover available in GSM?
7. Define Data synchronization.

8. What are the two types of mobile agent
9. Define Gateways.
10. Define Mobile file system.

PART B — ($5 \times 5 = 25$)

Answer ALL questions. Choosing either (a) or (b).

11. (a) Differentiate mobile communication and mobile computing.

Or

- (b) Explain about Mobile Computing Architecture.

12. (a) Explain RFID in detail.

Or

- (b) List out and explain the Limitations of Mobile Devices.

13. (a) What are the four possible handover scenarios in GSM?

Or

- (b) Discuss briefly about GSM Architecture.

14. (a) Explain briefly the security and Mobile File System.

Or

- (b) Explain briefly about Mobile Computing Application Servers.

15. (a) Explain the Concept of Linux for Mobile Computing.

Or

- (b) Briefly explain the Mobile Operating systems.

PART C — ($3 \times 10 = 30$)

Answer any THREE questions.

16. Explain about Mobile system networks.
17. Discuss briefly about various Handheld Devices with Operating Systems.
18. Elucidate the Components of Global System for Mobile Communication Architecture.