

S.No. 8228

16 SMBECA 2:3/16 SCCIT 8

(For candidates admitted from 2016–2017 onwards)

**B.C.A./B.Sc. DEGREE EXAMINATION,
NOVEMBER 2022.**

**Part III — Computer Applications/Information
Technology – Major Based Elective**

MOBILE COMPUTING

Time : Three hours

Maximum : 75 marks

PART A — (10 × 2 = 20)

Answer ALL questions.

1. What is mobile computing in education?
2. Why is mobility management needed?
3. Find RFID tag?
4. Define synchronous data transfer.
5. Recall Radio Interface.
6. List out the Data devices.
7. What is Gateway?

8. What is self-healing in mobile computing?
9. What is Windows CE used for?
10. Label the functions of task management.

PART B — ($5 \times 5 = 25$)

Answer ALL questions, choosing either (a) or (b).

11. (a) Write short notes on major components of mobile computing explain.

Or

- (b) What is Mobile System Networks? What are the different types of mobile networks?
12. (a) Write brief notes on Handheld pocket computers and its types.

Or

- (b) Give details about the Bluetooth, Wi-Fi and GPRS.
13. (a) Examine the working of High speed circuit switched data.

Or

- (b) What is burst in mobile communication?

14. (a) Explain how to define a mobile agent in mobile computing?

Or

- (b) Analyze about application server.

15. (a) Discuss the architectural layers of Window CE with OS layer.

Or

- (b) Explain Palm OS.

PART C — ($3 \times 10 = 30$)

Answer any THREE questions.

16. Explain in detail about Mobile computing Architecture.
17. Elaborate about Smart system technology and its area of usage.
18. What is Localization in wireless communication? Explain how calling and handover function is carried out?
19. How to synchronize software in mobile device? Explain.
20. Explain
 - (a) Symbian OS
 - (b) Linux for mobile devices.