



K21P 2608

Reg. No. :

Name :

V Semester M.C.A./M.C.A. (Lateral Entry) Degree (C.B.S.S. – Reg./Suppl./
Imp.) Examination, November 2021
(2016 Admission Onwards)

MCA5E13 : MOBILE COMPUTING (Elective IV)

Time : 3 Hours

Max. Marks : 80

PART – A

Answer **any ten** questions, **each** carries **three** marks.

1. Define the term Mobile Computing.
2. List any six types of networks.
3. How does Mobile IP work ?
4. Write the differences between Active RFID and Passive RFID.
5. What are the common types of mobile messages ? Explain.
6. Explain the security in GSM.
7. What is Direct Sequence Spread Spectrum Technology ? How does it work in CDMA technology ?
8. Explain about WAP push architecture.
9. Differentiate 2G and 3G.
10. Write a note on Real time protocols.
11. Explain about H.323 Framework.
12. What is IP convergence ?

(10×3=30)

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PART - B

Answer **all** questions. **Each** question carries **ten** marks.

13. a) Discuss the structure of three tier architecture. 10
OR
b) Briefly explain the structure of mobile computing. 10
14. a) Explain about Voice XML. 10
OR
b) What is Mobile IP ? How does Mobile IP work ? Explain. 10
15. a) With the help of a neat diagram, explain the process of call routing in GSM. 10
OR
b) Explain the architecture of GPRS with a neat diagram. 10
16. a) Explain the architecture of WLAN with a neat diagram. 10
OR
b) Explain the Architecture of the WAP Protocol Stack. 10
17. a) What is VoIP ? Explain different VoIP Protocols. 10
OR
b) Briefly explain Voice over WLAN. 10

(5×10=50)