



QP CODE: 25047459



Reg No :

Name :

M.Sc DEGREE (CSS) EXAMINATION, NOVEMBER 2025

Third Semester

M Sc INFORMATION TECHNOLOGY

Core Course - CA020302 - MOBILE COMPUTING

2019 ADMISSION ONWARDS

8228EBC7

Time: 3 Hours

Weightage: 30

Part A (Short Answer Questions)

*Answer any **eight** questions.*

Weight 1 each.

1. List the difference between the mobile computing and wireless networking
2. Discuss MAC protocol used in mobile computing.
3. List the TCP/IP protocol for email.
4. What is meant by SACK Internet Draft?
5. What are SGSN and GGSN?
6. What is the need for interfaces in telecommunication system?
7. Write a short note on MANET.
8. Describe the networking properties of VANET.
9. What is mobile OS?
10. Write example for commercial mobile OS.

(8×1=8 weightage)

Part B (Short Essay/Problems)

*Answer any **six** questions.*

Weight 2 each.

11. Write a note on structure of mobile computing.
12. Explain the algorithm used in polling.
13. Discuss about the registration phase of mobile IP processe.
14. Explain the architecture of TCP/IP.
15. Explain in detail about Telecommunication system.





16. Write short note on essential of traditional routing protocols.
17. Write a note on routing attack.
18. Write a note on mobile payment system.

(6×2=12 weightage)

Part C (Essay Type Questions)

*Answer any **two** questions.*

Weight 5 each.

19. Compare TDMA, FDMA, CDMA and SDMA
20. Explain CSMA.
21. Explain in detail about the role of GSM in telecommunication system.
22. What is mobile payment system? Discuss its pros and cons?

(2×5=10 weightage)

