



QP CODE: 24001282

Reg No :

Name :

B.Sc DEGREE (CBCS) REGULAR / REAPPEARANCE EXAMINATIONS, MARCH 2024

Sixth Semester

B.Sc Electronics Model III

CHOICE BASED CORE COURSE - EL6CBT03 - MOBILE COMMUNICATION

2017 Admission Onwards

60B42F16

Time: 3 Hours

Max. Marks : 80

Part A

*Answer any **ten** questions.*

*Each question carries **2** marks.*

1. What is the coverage area of a typical cell?
2. What is the frequency used in AMPS Service?
3. Which multiplexing method is used for cordless telephony?
4. How call forwarding is useful?
5. What you mean by link transfer?
6. What is the function of OSS in cellular network?
7. What are the benefits of MMS over SMS?
8. What is wireless markup language?
9. What you mean by User agent proof?
10. Why WLL is more secure than wired network?
11. What you mean by WANU & WASU?
12. What is the frequency range of Bluetooth? & How far it reaches?

(10×2=20)



Part B

Answer any **six** questions.

Each question carries **5** marks.

13. How to reduce co-channel interference?
14. What are the features of EIA/TIA IS 136 Standard?
15. What is received signal strength indicator? How it is helpful in handoff?
16. What is roaming? Why roaming call cost is high compared to normal call?
17. What you mean by OSS? What are the functions performed in OSS block?
18. What are the call recording functions in GSM administrative level?
19. What is WAP SDK Toolkits?
20. What are the usage and features of mobile station application execution environment?
21. What are the different layers of Wireless local loop?

(6×5=30)

Part C

Answer any **two** questions.

Each question carries **15** marks.

22. Explain the cellular concept and different types of cells according to their classification of size.
23. Explain PACS Architecture.
24. Explain Voice over Internet protocol.
25. Explain WAP Model with communication paths.

(2×15=30)

