B.Sc DEGREE (CBCS) REGULAR / REAPPEARANCE / MERCY CHANCE EXAMINATIONS, FEBRUARY 2025

Sixth Semester

B.Sc Electronics Model III

CHOICE BASED CORE COURSE - EL6CBT03 - MOBILE COMMUNICATION

2017 Admission Onwards

11007DE3

Time: 3 Hours   Max. Marks : 80

Part A

*Answer any **ten** questions.*

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

1. What is the frequency used in AMPS Service?

2. What is the difference between FDMA and TDMA ?

3. Which multiplexing method is used for cordless telephony ?

4. What is iner system handoff ?

5. What are the use of PACS ?

6. Write an example for broadcast SMS.

7. Write the name of different kinds of mobile portability.

8. What is wireless markup language ?

9. How to use WAP tool kit ?

10. Why WLL is more secure than wired network ?

11. What are the benifts of PBX in office ?

12. What you mean by WANU & WASU ?

(10×2=20)

Part B

*Answer any **six** questions.*

*Each question carries **5** marks.*

13. What is the difference between cell and cluster?

14. What are the advantages of digital cellular system compared to analog system?

15. Explain channel assignment technique.

16. What is roaming ? Why roaming call cost is high compared to normal call?

17. Write the functions performed by SMS Application layer.

18. How to access the international call?

19. Explain bearer service in WAP.

20. What are the usage and features of mobile station application execution environment?

21. Explain Bluetooth communication system, What are the application areas of Bluetooth?

(6×5=30)

Part C

*Answer any **two** questions.*

*Each question carries **15** marks.*

22. Explain the co-channel and adjacent channel interference in detail.

23. Explain different kind of inter system hand off.

24. Explain Telecommunication Management Network and its components.

25. Explain WAP Model with communication paths.

(2×15=30)