



K22U 2255

Reg. No. :

Name :

**V Semester B.C.A. Degree (CBCSS – OBE – Regular/Supplementary/
Improvement) Examination, November 2022
(2019 Admission Onwards)
Core Course
5B16BCA – E02 : MOBILE COMMUNICATIONS**

Time : 3 Hours

Max. Marks : 40

PART – A

Answer **all** questions.

(6×1=6)

1. What is an antenna ?
2. What is agent discovery process ?
3. What are different factors which effects signal propagation ?
4. Define wireless application environment.
5. What is a mobile IP ?
6. What is a WML script ?

PART – B

Answer **any six** questions.

(6×2=12)

7. Differentiate between DSSS and FHSS.
8. Explain GPRS.
9. Illustrate MAC management in detail.
10. What are the advantages of TDMA over SDMA ?
11. What is tunneling ?
12. Explain wireless session protocol.
13. Describe IEEE 802.11 architecture in detail.
14. Explain WAP 2.0.

P.T.O.



PART – C

Answer **any four** questions.

(4×3=12)

15. Explain applications of mobile communication.
16. What is a handover ? Differentiate between soft handover and hard handover.
17. Explain WAP architecture with the help of a neat diagram.
18. Differentiate between infrared and radiotransmission.
19. What is a MANET ? Explain.
20. Explain the concept of WML script.

PART – D

Answer **any two** questions.

(2×5=10)

21. Explain the advantages of cellular system.
22. With the help of a neat diagram explain GSM architecture.
23. Explain Bluetooth terminologies.
24. Describe the procedure of IP packet delivery.