



**K21U 4676**

**Reg. No. : .....**

**Name : .....**

**V Semester B.C.A. Degree CBCSS (OBE) Regular  
Examination, November 2021  
(2019 Admn. Only)**

**Core Course**

**5B16BCA-E02 : MOBILE COMMUNICATIONS - 5663**

**Time : 3 Hours**

**Max. Marks : 40**

**PART – A  
(Short Answer)**

**Answer all questions.**

**(6×1=6)**

1. VHF stands for
2. GSM stands for
3. WML stands for
4. CSMA stands for
5. What is MANET ?
6. GPRS stands for

**PART – B  
(Short Essay)**

**Answer any 6 questions.**

**(6×2=12)**

7. Explain about signals.
8. Base Station Subsystem (BSS).
9. What do you mean by handover in mobile communications ?
10. What do you mean by multiplexing ?

**P.T.O.**





11. What is the use of logical link control and adaptation protocol (L2CAP) in Bluetooth ?
12. What is tunneling ?
13. Explain the architecture of WAP 1.x.
14. What is wireless session protocol ?

**PART – C  
(Essay)**

Answer **any 4** questions.

**(4×3=12)**

15. Differentiate FDM and TDM.
16. Explain the advantages of cellular system.
17. Explain the advantages of Wireless LAN.
18. Explain the role of MAC management in IEEE 802.11.
19. Explain the mobile IP entities.
20. Explain the characteristics of 2.5/3G wireless networks.

**PART – D  
(Long Essay)**

Answer **any 2** questions.

**(2×5=10)**

21. Explain simplified reference model.
  22. Discuss the features of WML.
  23. Explain IEEE 802.15 with architecture.
  24. Explain Bluetooth with its core protocols.
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