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Register Number:

DATE: 20-04-2017

**ST. JOSEPH’S COLLEGE (AUTONOMOUS), BENGALURU-27**

**VI Semester Examination, April 2017**

**B C A**

**CA 6412 : Mobile Communication**

**Time 3Hrs Max Marks 100**

**This paper contains 1 printed pages and 3 parts**

**PART-A**

**Answer all TEN questions 3 x10 = 30**

1. Write the characteristics of Analogy and Digital Signal.
2. What is hand over? List its types.
3. What is GSM? What are the different versions?
4. What are the applications of VLF and VHF in Frequency spectrum ?
5. What is Antenna?
6. Differentiate between FHSS and DSS.
7. What is the role of HLR?
8. What are the applications of Infrared and Radio transmission?
9. What is MANET?
10. What is the purpose of WML?

**PART-B**

**Answer any FIVE questions 8 x5 = 40**

11. Explain in detail the simplified reference model of wireless communication.

12. Explain about Directive Antennas.

13. Differentiate between SDMA and TDMA

14. Explain the bearer services of Mobile communication.

15. Explain the role of IEEE 802.1 a in wireless LAN.

16. What do you mean by agent discovery? Explain.

17. Explain the structure of WML with a suitable example.

**PART-C**

**Answer any THREE questions 10 x3 = 30**

18. Explain in detail RSS in GSM architecture

19. Explain the concept of Localization and Security in the field of Mobile communication.

20. Explain the architecture of GPRS.

21. Write in detail about Wireless Datagram Protocol in WAP

22. Explain Wireless Application Environment with diagram

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