**St. Joseph’s College (Autonomous), Bangalore**

**Date: 17 – 04 - 2018**

**VI Semester Examination, April 2018**

**B C A**

**CA 6412 : Mobile Communication**

**Time 3Hrs Max Marks 100**

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

(For supplementary candidates)

Do not write the register number on the question paper

Please attach the question paper along with the answer script.

**PART-A**

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

1. What is wireless communication? Write its features.

2. What are the advantages and disadvantages of wireless communication?

3. What is the purpose of antenna? List the types of antennas.

4. Write a note on spread spectrum.

5. What is FDMA?

6. What is GPRS?

7. List the subscriber service of SGM.

8. Write a note on MAC.

9. What is mobile IP? What are its entities?

10. What is WML? Write it purpose.

**PART-B**

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

11. Explain the working principle of Dipole antenna.

12. Explain the Architecture of GSM.

13. Explain the MAC layer.

14. Explain the Mobile IP topology in detail.

15. With a block diagram explain about reverse tunneling.

16. Explain Wireless session protocol and wireless transaction protocol.

17. Explain in detail the WAE.

**PART-C**

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

18. Explain the simplified model of Wireless communication.

19. Explain the need of MANET in detail.

20. Explain in detail a) GSM protocols b) Handover

21. Explain the concept of Mobile IP registration with a block diagram.

22. Explain purpose of DECK and CARD in WML.

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