

**1-06-2017**

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

**SPECIAL SUPPLEMENTARY EXAMINATION: MAY 2017**

**B C A VI Semester**

**CA 6412: Mobile Communication**

 **Time 3Hrs Max Marks 100**

ATTACH THE QUESTION PAPER WITH THE ANSWER SCRIPT

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

**PART-A**

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

1. Mention any 3 functions of transport layer.
2. Write a note on Signal propagation.
3. Define CSMA.
4. Define GPRS. Mention any 2 features.
5. Mention any 3 advantages of Radio Transmission.
6. Write about IEEE 802.15.
7. Define Mobile node, Correspondent node and foreign agent.
8. Abbreviate MANET and mention its features.
9. What is WAP? Mention its functionalities.
10. Write the structure of WML Script.

**PART-B**

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

1. Write in detail about antennas along with its types.
2. What is Aloha? Explain the concept of Classic and Slotted aloha.
3. Explain in detail about Network and Switching subsystem in GSM.
4. Explain the System architecture of IEEE 802.11.
5. Write about tunneling in detail.
6. What is IPV6? Explain its functioning in detail.
7. Explain about Wireless datagram protocol in detail.

**PART-C**

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

1. What is Spread Spectrum? Explain in detail about Frequency Hopping Spread Spectrum.
2. Explain the concept of handover in GSM along with types in detail.
3. What is Bluetooth? Explain in detail about MAC layers.
4. Write about TCP over 2.5/3G wireless network in detail.
5. Explain the architecture of WAP in detail.