B.E. Seventh Semester (Information Technology) (C.B.S.)
Elective - I : Mobile Computing

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Notes :
1. All questions carry marks as indicated.
2. Solve Question 1 OR Questions No. 2.
3. Solve Question 3 OR Questions No. 4.
4. Solve Question 5 OR Questions No. 6.
5. Solve Question 7 OR Questions No. 8.
6. Solve Question 9 OR Questions No. 10.
7. Solve Question 11 OR Questions No. 12.
8. Due credit will be given to neatness and adequate dimensions.
9. Assume suitable data whenever necessary.

1. a) Draw a simplified reference model for wireless communication and explain its working. **7**

   b) Explain the concept of frequency reuse in cellular system. **7**

OR

2. a) What is need of handover in GSM what are possible handover scenario. **7**

   b) Explain localization and calling with suitable diagram. **7**

3. Write and explain any four design issues of mobile computing. **13**

OR

4. a) Write short note on Application of mobile computing. **6**

   b) Explain in detail three tier architecture of mobile computing. **7**

5. a) Describe the various advantages of wireless LAN. **6**

   b) Explain IEEE 802.11 standards in detail. **7**

OR

6. a) What is the need of specialized MAC in wireless communication. **7**

   b) Write a short note on protocol architecture. **6**

7. a) Explain in detail agent TCL architecture with suitable diagram. **7**

   b) Describe in detail requirement for mobile agent system. **6**

OR

8.	a)	Explain Remote Procedure call (RPC) in detail.	7
	b)	How a agent migration is does occure between two computers explain.	6
9.	a)	Explain compounds and interface of the WAP 1.X architecture.	7
	b)	Explain the working of wireless transaction protocol in WAP.	7

OR

10. Explain the concept of **any two.**   **14**
    i) Wireless datagram protocol.
    ii) Bluetooth protocol stack.
    iii) L_2CAP .
    iv) Wireless session protocol.

11.	a)	Explain the android activity with example.	7
	b)	Describe Android application architecture.	6

OR

12. Write a short note **any three.**   **13**
    1) State of service in android.
    2) Android SDK.
    3) Hardware tool.
    4) Android features.

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