**DHARMAPURAM ADHINAM ARTS COLLEGE, DHARMAPURAM**

**I M.Sc.(COMPUTER SCIENCE)**

**MOBILE COMMUNICATION**

**QUESTION PAPER – 3**

Total marks = 75

**Part – A (10 x 2 = 20)**

Answer all the questions

1. Define PDA.

2. Define MAC.

3. What is Base Transceiver Station?

4. Define EMS.

5. Write advantages of Infra Red technology.

6. Define Piconet.

7. What is Tunnelling?

8. Define Socket-Pair.

9. Define WML.

10. Write the functions provided by WTAI.

**Part – B (5 x 5 = 25)**

Answer all the questions

11.a) Explain SDM & FDM.

(or)

b) Discuss any four advantages of Cellular system with small cells.

12.a) Write any four handover scenarios in GSM.

(or)

b) Explain domains of UMTS.

13.a) Explain any three requirements for location management.

(or)

b) Write short notes on Bluetooth.

14.a) Explain the Packet delivery to and from the mobile nodes.

(or)

b) Write short notes on Ad-hoc Routing.

15.a) Describe WTA Architecture.

(or)

b) Give some standard libraries for WML script which are specified by WAP Forum.

**Part – C (3 x 10 = 30)**

Answer any three questions

16. Explain the functions of each layer in wireless and mobile communication.

17. Explain about GEO, MEO, LEO.

18. Explain the functions of link manager protocol.

19. Explain about encapsulation.

20. Explain about WAP architecture.

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