

Code: ECMC2T2

I M.Tech - II Semester-Regular Examinations – September 2015

**WIRELESS COMMUNICATIONS AND NETWORKS
(MICROWAVE & COMMUNICATION ENGINEERING)**

Duration: 3 hours

Marks: 5x14=70

Answer any FIVE questions. All questions carry equal marks

1. a) Explain the use of Cell Splitting and cell sectoring? 7 M
b) Explain the concepts: frequency reuse, interference and system capacity. 7 M
2. a) Explain TDMA, bringing out the features of TDMA? 7 M
b) What is Packet Radio? Explain the Pure ALOHA Protocol? 7 M
3. a) List out the difference between wireless and fixed telephone networks. 7 M
b) Explain x.25 protocol. 7 M
4. a) List out some wireless data services and Explain them. 7 M

- b) Explain the working of CDPD networks with a neat block diagram. 7 M
5. a) Explain the operation of WAP Architecture. 7 M
- b) Mention the important capabilities of WML Scripts. 7 M
6. a) Describe the function of IEEE 802 Architecture. 7 M
- b) Explain the “Narrow band Microwave LAN”. 7 M
7. a) Explain about Logical Link control and adaption Protocol. 7 M
- b) Explain the radio specifications of Bluetooth. 7 M
8. a) Explain GPRS and Higher data Rates. 7 M
- b) Explain the SMS Scheme in GSM. 7 M