

**M. TECH.-III (INFORMATION TECHNOLOGY) (CBCS – 2015
COURSE) : WINTER - 2017
SUBJECT: ELECTIVE –I d) WIRELESS COMMUNICATION NETWORK**

Day: **Tuesday**
Date: **16/01/2018**

W-2017-2897

Time: **11.00 AM TO 02.00 PM**
Max. Marks: 60

N.B.:

- 1) All questions are **COMPULSORY**.
 - 2) Figures to the right indicate **FULL** marks.
 - 3) Answers to both the sections should be written in **SEPARATE** answer book.
-

SECTION-I

Q.1 Describe performance issues in wireless communication network. **(10)**

OR

Q.1 Describe CDMA in detail with suitable example. **(10)**

Q.2 Describe techniques of frequency reusing with suitable example. **(10)**

OR

Q.2 What are the different channel assignment strategies? Explain with suitable example. **(10)**

Q.3 Describe GSM interface BTS to BSC. **(10)**

OR

Q.3 Describe signal processing in GSM with suitable example. **(10)**

SECTION-II

Q.4 Enlist and explain benefits of wireless LANs. **(10)**

OR

Q.4 Explain the conventional ways to set up Infrared LAN. **(10)**

Q.5 Describe cellular digital packet data (CDPD) in detail. **(10)**

OR

Q.5 Enlist and describe various components of wireless application environment. **(10)**

Q.6 Describe mobility management along with its types. **(10)**

OR

Q.6 Describe data monitoring and mining in ad-hoc networks. **(10)**