

**M. TECH.-III (INFORMATION TECHNOLOGY) (CBCS – 2015
COURSE) : SUMMER - 2018**
SUBJECT: ELECTIVE –I d) WIRELESS COMMUNICATION NETWORK

Day: **Tuesday**
Date: **29/05/2018**

S-2018-3091

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 Enlist and elaborate challenges in wireless network. **(10)**

OR

Q.1 Elaborate evolution of cellular system with suitable example. **(10)**

Q.2 How the capacity of wireless channels is determined? Elaborate with suitable example. **(10)**

OR

Q.2 Enlist and describe causes of co-channel interferences. **(10)**

Q.3 Describe the Radio interface CMS to BTS in detail. **(10)**

OR

Q.3 Describe frame structure of GSM in detail. **(10)**

SECTION-II

Q.4 Describe security issues in wireless LAN. **(10)**

OR

Q.4 Describe infrared wireless LAN in detail. **(10)**

Q.5 Describe infrastructure based mobile data networks. **(10)**

OR

Q.5 Describe wireless access protocol architecture with neat block diagram. **(10)**

Q.6 Describe wireless sensor network with architecture. **(10)**

OR

Q.6 Describe RFID technology and common problems raised across RFID. **(10)**

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