

**M. TECH. –II (COMPUTER ENGINEERING) (CBCS – 2015
COURSE) : SUMMER - 2018**

SUBJECT : WIRELESS COMMUNICATION AND SECURITY

Day : **Monday**
Date : **18/06/2018**

S-2018-3001

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.
- 4) Draw neat and labelled diagrams **WHEREVER** necessary.

SECTION – I

Q.1 What is spread spectrum? State and explain types of spread spectrum. **(10)**

OR

Explain different modulation techniques.

Q.2 Which access technology GSM uses? Discuss these access technologies with diagram. Also state their advantages and disadvantages. **(10)**

OR

Draw and explain working of CDMA technology and differentiate between CDMA and TDMA technology.

Q.3 What is handover? Explain the types of handover. **(10)**

OR

Differentiate between DAB and DVB.

SECTION – II

Q.4 What is wireless ATM? Explain WATM services reference model. **(10)**

OR

Explain location management and addressing in WATM.

Q.5 Draw and explain mobile IP and explain how mobility is implemented in mobile IP network. **(10)**

OR

Write short note on :

- a) DHCP
- b) Mobile TCP

Q.6 Explain security mechanism in wireless mobile communication. **(10)**

OR

Write short note on :

- a) DOS attacks
- b) Energy aware security mechanism

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