

- Q5)** a) Explain in detail SCO and ACL Links. [6]
b) Explain Bluetooth protocol stack. [6]
- Q6)** a) What is wireless MAN? How system capacity is increased for a wireless MAN? [4]
b) Write a short note on WPAN Applications and Architecture. [6]
c) Write short note on 802.11 design issues. [3]



W-1005

Total No. of Pages : 2

Seat No.	
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T.E. (CSE) (Part - I) (Semester - V) (New)

Examination, June - 2014

NETWORK TECHNOLOGIES

Sub. Code :45605

Day and Date : Wednesday, 04 - 06 - 2014

Total Marks : 50

Time : 1.30 p.m to 3.30 p.m.

- Instructions :**
- 1) Answer any two questions from each section.
 - 2) Figures to the right indicate full marks.
 - 3) Assume data whenever necessary.

SECTION-I

- Q1) a)** Explain different generations of wireless cellular networks. **[6]**
- b)** What is cell sectoring? Explain the function of any one with necessary cell diagram. **[6]**
- Q2) a)** Explain GSM network architecture with necessary diagram. **[6]**
- b)** What is MSRN? How call setup takes place using MSRN? **[6]**
- Q3) a)** Explain the function of the interworking function node in a 2G CDMA system. **[6]**
- b)** What are Walsh codes? **[3]**
- c)** Write short note on Mobility Management. **[4]**

SECTION-II

- Q4) a)** Explain in detail difference between wired and wireless LAN. **[4]**
- b)** Explain IEEE 802.11 MAC frame formats. **[5]**
- c)** Describe how the data rate of 48 mbps is achieved under the IEEE 802.11a standard. **[4]**

P.T.O.