

Seat No.	
----------	--

**T.E.(CSE) (Part - I) (Semester-V) Examination, April-2018**  
**NETWORK TECHNOLOGIES (Paper - I)**

**Sub. Code : 66297**

**Day and Date : Saturday, 28 - 04 - 2018**

**Total Marks : 50**

**Time : 09.30 a.m. to 11.30 a.m.**

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

**SECTION - I**

- Q1)** a) Explain GSM network architecture with necessary diagram. [6]  
 b) What is MSRN? How call setup takes place using MSRN? [6]
- Q2)** a) Explain different generations of wireless cellular networks. [4]  
 b) What is handoff? Explain Intra BSC handoff operation with necessary diagram. [8]
- Q3)** a) Explain necessity of security in wireless networks. [3]  
 b) What is ESS? Explain service architecture of ESS. [6]  
 c) What is GSM SIM card? What purpose does it serve? [4]

**SECTION - II**

- Q4)** a) Explain table driven routing protocols. [6]  
 b) What is sensor network? Explain various components of sensor networks. [6]
- Q5)** a) What is VPN? How VPN is useful in wireless network? [5]  
 b) Explain design goals of a transport layer protocols in wireless network. [4]  
 c) Describe different types of attacks on wireless networks. [4]
- Q6)** a) Explain the role of sensor network in agriculture. [4]  
 b) With the help of neat diagram explain WEP encryption. [4]  
 c) Security with access control list. [4]

