

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

SV - 205

Total No. of Pages : 2

T.E. (Computer Science and Engg.) (Semester - V) (Revised)
Examination, May - 2019
NETWORK TECHNOLOGIES
Sub. Code : 66297

Day and Date : Wednesday, 15 - 05 - 2019

Total Marks : 50

Time : 02.30 p.m. to 04.30 p.m.

- Instructions:**
- 1) Q. 1 is compulsory.
 - 2) Attempt any three questions from Q.2 to Q.5.
 - 3) Figures to the right indicate full marks.
 - 4) Assume suitable data if necessary.

- Q1) a)** Explain broadcast and common control channels of GSM. **[6]**
b) Explain IEEE 802.11 MAC frame format. **[4]**
c) Explain design goals of MAC protocol for AD hoc wireless network. **[4]**

- Q2) a)** Explain the following GSM Identities.
i) MSISDN
ii) IMSI
iii) IMEI **[6]**
b) What is TDD? Explain Bluetooth multislot packet transmission. **[6]**

- Q3) a)** Explain MAC layer operation of IEEE 802.11.
i) Distributed control function.
ii) Point coordination function. **[6]**
b) Explain the following physical links used in Bluetooth.
i) Asynchronous connectionless link.
ii) Synchronous connection oriented link. **[6]**

P.T.O.

SV - 205

- Q4)** a) Explain weaknesses in WEP scheme. [6]
b) What are the applications of wireless sensor networks? [6]
- Q5)** a) Write a note on VPN. [6]
b) Explain the architecture of sensor node. [6]

