Seat No.	

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.

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]

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