S.B Roll No._____

COMPUTER NETWORKS
5th Exam/COMP/IT/EEE/2626/May,2015

Duration: 3Hrs   **M. Marks: 75**

SECTION-A

Note: Attempt all questions.

Q1) Fill in the blanks: 1x10

i)   Packets are made in..…………… layer of OSI Model.

ii)   Fully connected network require ……………… links for n nodes.

iii)   E-mail is an ………of sending a letter.

iv)   The ………… layer describes how real work actually gets done.

v)   The ………… is assigned to network with very far number of hosts.

vi)   ICMP stands for ……………..

vii)   VOIP stands for ………………..

Viii)   ……………..is the science of writing in secret code.

ix)   ……………… type of hubs regenerate the signal.

x)   The ………. Is responsible for document presentation.

State True or False: 1x5

i)   Ratio waves are bi-directional.

ii)   Cable modem does not use a Co-axial cable television.

iii)   RAID is the organization of multiple disks into a large, high performance logical disk.

iv)   Cell phones support Wi-Fi technology.

v)   Fragment offset is a 3 bits field.

SECTION-B

 NOTE: Attempt any five questions: 5x6

Q2) i) Explain various Switching techniques.

     ii) Describe IP Packet format of IPV4.

    iii) Define various Network connecting devices.

    iv) Write short note on cryptography.

     v) Write down the steps involved in performing troubleshooting.

    vi)Explain various types of wireless LAN.

SECTION-C

Note: **Attempt any three question**:   3x10

Q 3) Explain how does a CSMA protocol works.

Q 4) What do you understand by Huffman Code? Explain in detail.

Q 5) Explain OSI Reference model in detail.

Q 6) Write short note on:

       i)IEEE 802.11

       ii)WIMAX Technology