J.B. Roll No...

COMPUTER NETWORKS
5th EXAM/COMP/IT/EEE/CSE/2626/MAY-2017

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

SECTION-A

Q1. Fill in the blanks: **1x15=15**

  i.   Computer network is a interconnection of.............................
  ii.   The TCP/IP protocol consists of........................... Layers.
  iii. A device that can convert digital signals to analog signals is.................
  iv.   PSTN stands for...................................
  v.   There are ....classes of network.
  vi.   Hub works in........................... layer of OSI model.
  vii. NIC stands for........................
  viii. .... Is a hardware device that filters and forwards packets between LAN.
  ix.   The physical layout of cabling in LAN's is called.......................
  x.   The first layer of OSI model is application layer.(True/False)
  xi.   IP is a connectionless protocol. (True/False)
  xii. The network device which is used to interconnect two dissimilar networks is called
        ....
  xiii. A router can have more than one IP address.(True/False)
  xiv. .... are the rules that govern the communication exchange.
  xv.   MODEM stands for...........................

SECTION-B

Q2 Attempt any six questions.   **6x5=30**

  a.   What an IP address? List different classes of IP.
  b.   Define the client/server technology with diagram.
  c.   Differentiate between Client-Server and p-2-p technology.
  d.   List different computer network topologies?
  e.   What are the advantages of computer networks?
  f.   Explain the process of Troubleshooting.
  g.   What is an error? Explain different sources of errors.
  h.   Write a short note on ATM.

SECTION-C

Q3 Attempt any three questions.   **10x3=30**

  I.   Explain the datagram format of IPV4.
  II.   What is the difference between LAN, MAN and WAN.
  III. What do you mean by Transmission media? Explain its types with example.
  IV.   Explain any four layers of OSI reference model in detail.
  V.   Write a short note on:-**(Any Two)**
        a. Hub
        b. Bluetooth
        c. Network Printer