Objective

Part - I

Roll No: __________

Time : 20 minutes

Marks: 10

Note: This part is compulsory. It should be attempted on the question paper and returned to the supervisory staff after the prescribed time. Cutting overwriting and use of led pencil is not allowed. Supervisory staff is required to attach it with the answer book.

Q.1. Choose the correct answer and encircle it. 10X1 = 10

1. Computer network is
   A. Collection of hardware components and computers
   B. interconnected by communication channels
   C. sharing of resources and information
   D. All of the above

2. How many layers does OSI reference model has?
   A. 4
   B. 5
   C. 6
   D. 7

3. DNS is the abbreviation of
   A. Dynamic Name System
   B. Dynamic Network System
   C. Domain Name System
   D. Domain Network Service

4. What is the use of bridge in Network?
   A. to connect LANs
   B. to separate LANs
   C. to control Network Speed
   D. All of the above

5. Router operates in which layer of OSI reference model:
   A. Layer1 (Physical Layer)
   B. Layer3 (Network Layer)
   C. Layer4 (Transport Layer)
   D. Layer7 (Application Layer)

6. How many layers are in the TCP.IP model?
   A. 4 Layers
   B. 5 Layers
   C. 4 Layers
   D. 7 Layers

7. Frames from one LAN can be transmitted to another LAN via the device
   A. Router
   B. Bridge
   C. Repeater
   D. Modem
8. Which of the following is used for modulation and demodulation?
   A. modem
   B. protocols
   C. gateway
   D. multiplexer

9. Which of the following TCP/IP protocol is used for transferring electronic mail messages from one machine to another?
   A. FTP
   B. SNMP
   C. SMTP
   D. RPC

10. A distributed network configuration in which all data/information pass through a central computer is
    A. bus network
    B. star network
    C. ring network
    D. Point-to-point network
Model paper “Introduction to Computer Networking”
For DIT Semester-II
Annual Examinations 2013 & Onward

Subjective
Part - B

Time : 2:10 Hours  Marks: 40

Section -I

Q.1. Write the short answer to any twelve (12) from the following questions. 12X2=24
1. Mention different categories of computer networks.
2. What are two types of transmission technologies, basis on which computer networks can be categorized?
3. What is modulation?
4. What is demodulation?
5. Briefly explain routers.
6. What is peer to peer network?
7. What is Server based network?
8. Mention important benefits of computer network.
9. What do you mean by OSI?
10. What are the seven layers of OSI model?
11. Explain network layer of OSI model.
12. What is protocol?
13. What is hybrid topology?
14. Why star topology is commonly preferred?
15. Draw the layout of Ring topology/
17. Draw the layout of Star Topology/
18. What is client?