Model Paper "Introduction to Computer Networking"
For DIT Semester-II
Annual Examination 2016 & Onward
OBJECTIVE
(PART-A)

Roll No: _____

Time: 20 Minutes   **Marks: 10**

Note: This part is compulsory. It should be attempted on 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 chooses the correct answer and encircles it.   **1x10=10**

1. When collection of various computers seems a single coherent system to its client, then it is called

   a) Computer network   b) Distributed system

   c) Both (a) and (b)   d) None of the mentioned

2. Communication channel is shared by all the machines on the network in

   a) Broadcast network   b) Unicast network

   c) Multicast network   d) None of the mentioned

3. Bluetooth is an example of

   a) Personal area network   b) Local area network

   c) Virtual private network   d) None of the mentioned

4. A _____ is a device that forwards packets between networks by processing the routing information included in the packet.

   a) Bridge   b) Firewall   c) Router   d) All of the mentioned

5. A list of protocols used by a system, one protocol per layer, is called

   a) Protocol architecture   b) Protocol stack

   c) Protocol suit   d) None of these mentioned

6. The portion of physical layer that interfaces with the media access control sub layer is called

   a) Physical signal ling sub layer   b) Physical data sub layer

   c) Physical address sub layer   d) None of the mentioned

7. Physical or logical arrangement of network is

   a) Topology   b) Routing

   c) Networking   d) None of the mentioned

8. In this topology there is a central controller or hub

   a) Star   b) Mesh   c) Ring   d) Bus

9. OSI stands for

   a) open system interconnection   b) operating system interface

   c) optical service implementation   d) none of the mentioned

10. TCP/IP model does not have _____ layer but OSI model have this layer.

   a) session layer   b) presentation layer

   c) application layer   d) both (a) and (b)

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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: 2x12 = 24

1. What is Modem
2. Define Repeaters
3. Define Gateways
4. Define Client and Server
5. Define MAN
6. Define Star topology
7. Define Protocols
8. Define IPV4
9. Define HTML
10. Define Peer to Peer
11. Define Switch
12. What is mean by Bridges
13. Define Mesh Topology
14. Define Physical Layer
15. Define Transport Layer
16. Define Internet Layer
17. Define Server
18. Define Hubs

SECTION-II

Long Questions

Note: Attempt Any Two (2) Questions   8x2 = 16

Q2. Explain TCP/IP protocol

Q3. Describe the different categories of Computer Networks

Q4. Explain Transmission Technology.

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