VINAYAKA MISSIONS SIKKIM UNIVERSITY

(Estd. by Sikkim Legislative Act vide VMSU Act NO.11Nof 2008)

DIRECTORATE OF DISTANCE EDUCATION

NH 10-A, Tadong, East Sikkim-737102

Programme: Master of Computer Application   **Session:**2015-16   **Full Marks:** 10

Course/Subject Name: Computer Communication and Network   **Course/Subject Code:** CS 4208

Assignment No: 1   **Last Date of Submission:** 31st March 2016

SECTION – A

Answer the followings questions.   **[0.5x10=5 Marks]**

1. What is not a basic requirement of a communication system?
   a. The sender   c. The receiver
   b. A medium   d. Cell phone

2. Which is not comes under the types of computer networks?
   a. Internet   c. Ethernet
   b. Intranet   d. Extranet

3. What is the full form of ARP?
   a. Address resolution protocol   c. Address routing protocol
   b. Analog resolution protocol   d. Another resolution protocol

4. Which application layer protocol is used for interactive file transfer?
   a. SMTP   c. HTTP
   b. FTP   d. RIP

5. Which is not a network topology?
   a. Star   c. Ring
   b. Point-to-multipoint   d. Graph

6. Which is not a feature of communication protocol?
   a. Initiation of communications   c. Data exchange
   b. Error detection   d. Error correction

7. FEC
   a. Forward error correction
   b. Forward Ethernet Connection
   c. Forward error connection
   d. Forward Ethernet correction

8. A twisted pair cable consists of two insulated _____wires.
   a. Iron
   c. Copper
   c. Silver
   d. Nickel

9. Total data rate of optical fiber is _____
   a. 3 Gbps
   b. 4 Gbps
   c. 2 Gbps
   d. 1Gbps

10. In space division switching
    a. The paths in the circuit are separated from each other spatially.
    b. The paths in the circuit are not separated
    c. The paths in the circuit are not possible
    d. The paths in the circuit are either separated or not from each other

SECTION – B

Answer any Five questions from the following within 50 words   **[1x5=5 Marks]**

1. Briefly explain OSI model layers.
2. Define Circuit switching.
3. What do you mean by data transmission modes?
4. Define Guided transmission media.
5. Define SMTP.
6. What is Star Network Topology?
7. What is VPN?

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Assignment No: 2   **Last Date of Submission:** 15th April 2016

SECTION – A

Answer the followings questions.   **[0.5x10=5 Marks]**

1. ICMP stands for

   a. Internet connection message protocol   b. Internet control message protocol
   c. Internet control mode protocol   d. Internet connection mode protocol

2. Which is an internet-standard protocol for managing devices on IP networks?

   a. SMTP   b. FTP
   b. SNMP   d. TCP

3. ICMP is a control protocol that works alongside IP at which layer?

   a.Physical   b. Data link
   c.Network   d. Presentation

4. DiffServ uses ____ bit DSCP field in the header of IP packets for packets classification purpose.

   a. 7   b. 6
   b. 5   d. 4

5. The combination of TCP header and TCP in one packet is called

   a. a TCP format   b. a TCP segment
   c.a TCP block   d. a TCP frame

6. In TCP header format destination port is of how many bits?

a. 8   b. 64
c. 16   d. 32

7. UDP

a. User Data Protocol   b. User Datagram Protocol
c. Use Data Protocol   d. Use Datagram Protocol

8. Routing is a process of selecting _____ in a network.

a. Host   b. IP address
c. Path   d. Data

9. Repeaters are the devices of which OSI layer?

a. Presentation layer   b. Physical layer
c. Application layer   d. Data link layer

10. Which is not type of flow control?

a. Transmit flow control   b. Hardware flow control
c. Datagram flow control   d. closed-loop flow control

SECTION – B

Answer any <u>Five questions</u> from the following within 50 words   [1x5=5 Marks]

1. What is security protocol?
2. Describe Overlay network?
3. What are the basics techniques used to manage network congestion?
4. Define Guided transmission media.
5. What is UDP?
6. Describe TCP Header Format?
7. Write short notes on FTP and SNMP.

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Programme: Master Of Computer Application   **Session:** 2015-16   **Full Marks:** 5

Course/Subject Name: Computer Communication and Network   **Course/Subject Code:** CS 4208

Assignment No: 3   **Last Date of Submission:** 15th April 2016

SECTION – A

Answer the followings questions.   **[0.5x10=5 Marks]**

1. _____ is a network used for supporting mobile communication across an arbitrary number of wireless LANs.
   d. A Backbone Network   c. Global Area Network
   e. Virtual Private Network   d. Enterprise Private Network

2. Which kind of communications happen in both directions, but in only one direction at a time?

   a. Simplex   b. Half-duplex
   c. Full-duplex   d. None

3. The core protocols of the transport layer are:
   c. TCP and UDP   c. HTTP and SMTP
   d. FTP and ICMP   d. ARP and IGMP

4. Which is not a feature of TCP?
   a. Data arrives in-order   b. Data has minimal error
   c. Duplicated data is accepted   d. Lost/discarded packets are resent

5. _____is a software utility for Unix like computer operating system that allows users to log in on another host.
   a.Dlogin   b. Rlogin
   c. Blogin   d. Slogin

6. Which is not a feature of Twisted Pair Cable?

a.Twisted together   b. Separately insulated
c.Usually installed in building when built   d. Very expensive

7. Crossbar switch is an example of:
   a.Time division switches   c. Frequency division switches
   c.Space division switches   d. None

8. PLP is the:
   a. Physical layer protocol   b. Network layer protocol
   b. Data-link layer protocol   d. Transport layer protocol

9. "SNMP" stands for :
   a.Short Network Management Protocol
   b.Super Network Management Protocol
   c.Simple Network Management Protocol
   d. Single Network Management Protocol

10. TFTP is a file transfer application that uses _____for transport.
    a.TCP   b. UDP
    c.ARP   d. ICMP

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