SARDAR PATEL UNIVERSITY
P.G.D.C.A.A. (II Semester) Examination
2016
11th April 2016 (Monday)
2.30 pm - 5.30 pm
PS02FDCT01 : COMPUTER NETWORK

Max. Marks : 70

[8]

Q-1 **Choose the most appropriate option for each question.**

1) Point-to-Point transmission with one sender and one receiver is called _____.
[a] Broadcasting [b] Unicasting
[c] Both a & b [d] None of a & b

2) _____ is the number of bit intervals per second.
[a] Bit Rate [b] Phase
[c] Amplitude [d] Frequency

3) HTTP stands for _____.
[a] Hyper Transmission Topology Protocol
[b] Hyper Text Transfer Protocol
[c] High Text Transfer Protocol
[d] Hyper Text Transfer Program

4) _____ cable consists of an inner copper core and a second conducting outer sheath.
[a] Twisted Pair cable [b] Coaxial Cable
[c] Fiber Optic Cable [d] Shielded twisted-pair cable

5) _____ have a single communication channel that is shared by all the machines on the network.
[a] Point-to-Point Network [b] People Network
[c] Broadcast Network [d] Specialized Network

6) A list of protocols used by a certain system, one protocol per layer, is called a _____.
[a] Network Architecture [b] Protocol Stack
[c] Computer Architecture [d] Layer Stack

7) FTP Stands for _____.
[A] File Transfer Protocol [B] Fiber Transmission Program
[C] Frequency Transfer Protocol [D] File Transmission Protocol

8) In a fiber Optic Cable, the signal is propagated along the inner core by _____.
[A] Reflection [B] Refraction
[C] Modulation [D] Amplification

[14]

Q-2 **Answer the following questions (Any Seven).**
1) What is the classification of computer network?

2) What is the difference between circuit switching and packet switching?

3) What are the Components of LAN.

4) Give the Full Form of : MIME, SNMP

P.T.O.

5) What is twisted pair cable? What are the advantages of it?

6) Give the difference between Analog Signal and Digital Signal.

7) What is protocol? What are the key features of a protocol?

8) Write a short note on LEO Satellite.

9) Define: 1. Piconet 2. Scatternet

Q-3 [A] What is computer network? Discuss the advantages of computer network. **[06]**

[B] Explain Wide Area Network. **[06]**

OR

[B] Explain Local Area Network.

Q-4 [A] What is OSI reference model? Explain Network layer and Data Link Layer in detail. **[06]**

[B] What is use of Fiber Optic Cable? Explain the work of Fiber Optic. **[06]**

OR

[B] Explain Twisted Pair Cable in detail.

Q-5 [A] Explain Coaxial Cable in detail. **[06]**

Q-5 [B] Explain Metropolitan Area Network in Detail. **[06]**

OR

[B] Explain Bluetooth Protocol Stack.

Q-6 [A] What is Bluetooth Technology? Explain Piconet & Scatternet in Detail. **[06]**

Q-6 [B] What is Satellite network? Explain GEO, LEO, MEO in detail. **[06]**

OR

[B] What is Topology? Explain any two in detail.

*******Best of Luck********