Model Paper "Computer Network Fundamentals"
For Diploma in Computer Hardware & Network Engineering
(Semester-I) Annual Examination 2015 & Onwards
Objective
Part-A

Roll No. _____

Time: 15 Mins **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 lead pencil is not allowed. Supervisory staff is required to attach it with the answer book.

Q. 1: Choose the Correct answer and encircle it.

1-A collection of computers connected together is called.

A. Processing B. Network

C. Chatting D. Centralized system

2- Which of the following is not a category of network?

A. WAN B. LAN

C. MAN D. NAN

3- Which of the following is not a benefit of computer network?

A. Reduce hardware corts B. Connect people

C. Enable shared applications D. Produce high quality programs

4- The physical layout of a LAN is known as

A. Topology B. Session

C. Link D. Connector

5- BPS stands for

A. Bits per second B. Binary per second

C. Bytes per second D. Barrel per second

6- All of the following are guided communications media EXCEPT

A. Twisted pair B. Fiber-optic cables

C. Coaxial cables D. Satellite

7- OSI reference model has

A. 7 layers B. 3 layers

B. 6 layers D. 1 layer

8: OSI stands for

A. Open system interconnection B. Open system international

C. Open small internet D. Open system interlink

9: Which layer is concerned with addressing and routing?

A. Network layer B. Data link layer

C. Physical layer D. Transport layer

10: the people on LAN can share

A. Printer B. Modem

C. CD-Rom / disk drive D. All

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For Diploma in Computer Hardware & Network Engineering
(Semester-I) Annual Examination 2015 & Onwards
Subjective
Part-B

Time: 2:15 Hours **Marks: 40**

SECTION-I

Q. 1 Write the short answer to any Twelve (12) from the following questions. 12 x 2 = 24

1- What is meant by communication?
2- What is meant by networking?
3- Differentiate between sender and receiver.
4- In how many forms data can be transmitted.
5- Write three essential components of every network system
6- List some benefits of computer networks
7- List main types of computer networks
8- What is meant by client server network?
9- Compare LAN and WAN transmission speeds
10- How does star topology work?
11- Explain a bus topology
12- List different types of network communication technology
13- What is meant by packet switching
14- What is meant by internet?
15- What is attenuation?
16- What is meant by wireless communication?
17- Why was the OSI model developed
18- Write the functions of network layer

SECTION-II

Note: Attempt any two (2) questions **8 x 2 = 16**

Q. 2: What is meant by networking and explain about the types of networking?

Q. 3: Explain about the OSI layers?

Q. 4: What is meant by topology and differentiate between star and rig topology?

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