SUBJECT CODE : DC/13/NW

P.D.G.C.S. EXAMINATION – NOVEMBER 2008
FIRST SEMESTER

REG. NO. _____

PAPER   : NETWORKING - I
TIME   : 20 MINUTES   MAX. MARKS : 20

TO BE ANSWERED ON THE QUESTION PAPER ITSELF :

SECTION – A   **(20X1=20)**

Fill in the following blanks :

1.   The most common UTP connector is called _____.

2.   Layer two lies between the physical layer and the _____ layer.

3.   In fiber optics, the signal source is _____ waves.

4.   A _____ can transform non SMTP mail to SMTP format and Vice
      Versa.

5.   _____ are rules that govern data communication.

Choose the Best Answer :

6.   Viruses are a network _____ issue.
      a) Performance   b) reliability   c) security

7.   A _____ connection provides a dedicated link between two devices.
      a) Point-to-point   b) Multipoint   c) Primary

8.   In a _____ topology, if there are n devices in a network, each
      device has (n-1) ports for cables.
      a) mesh   b) star   c) bus

9.   Decryption and Encryption of data are the responsibility of the
      _____ layer.
      a) physical   b) data link   c) presentation

10.   Which of the following are bridge types
      a) simplex, complex, transparent
      b) simplex, transparent, multiport
      c) complex, transparent, multiport

11.   Transmission media are usually categorized as
      a) fixed or unfixed   b) guided or unguided   c) determinate or indeterminate

12. Which of the following can be handled by a gateway
    a) packet resizing   b) data encapsulation   c) protocol conversion

13. Which OSI layer corresponds to the IP layer
    a) data link   b) network   c) transport

14. _____ can request a service.
    a) A Socket Interface   b) A Client   c) A Server

15. Giga bit Ethernet has a _____ datarate than fast Ethernet and a _____ collision domain.
    a) higher, higher   b) higher, lower   c) lower, higher

True or False :

16 The TCP/IP was developed prior to the OSI model.

17 The TCP is a connectionless protocol.

18 The session layer takes care of translation.

19 NVT stands for Network Virtual Terminal.

20 SNMP is a network management protocol.

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PAPER   : NETWORKING - I
TIME   : 2 HOURS & 40 MINUTES   MAX. MARKS : 80

SECTION – B   (8X5=40)

ANSWER ANY EIGHT QUESTIONS

1.   Define and explain various topologies.
2.   What is an Internet? Give brief history of the Internet.
3.   Write in detail about Twisted Pair Cable.
4.   Write in detail about serial and parallel transmission.
5.   List the layers of the OSI model. Group the OSI layers by function.
6.   Write about Fast Ethernet.
7.   Write about Network Address Translation.
8.   What are the different protocols and standards in data communication?
9.   Write in detail about Blue tooth Architecture.
10.   Write in detail about DNS.

SECTION – C   (4X10=40)

ANSWER ANY FOUR QUESTIONS

11.   Explain the different layers of the OSI model.
12.   Write in detail about Network Addressing.
13.   Write in detail about fiber optic cable.
14.   Write the frame format of ethernet, explain the thick and thin ethernet with
       example.
15.   Write in detail about TELNET.
16.   Write in detail about Routers and Gateways.

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