SIES Graduate School of Technology, Nerul
Computer Network Unit test 1   . . .

* Required

MCQs

3. The number of layers in ISO OSI reference model is _____ *
   (1 Point)

   ○ 5

   ● 7

   ○ 6

   ○ 10

4. Which of the following layers is an addition to OSI model when compared with TCP IP model? *
   (1 Point)

   ○ Application layer

   ○ Presentation layer

   ● Session layer

   ○ Session and Presentation layer

5. Arrange the Layers of TCP/IP model (Bottom -up) *
   (1 Point)

   1   Application Layer

   2   Transport Layer

   3   Network Layer

    4   Data Link Layer

    5   Physical Layer

6. Which network topology requires a central controller or hub? *
    (1 Point)

    ⦿ Star

    ◯ Mesh

    ◯ Ring

    ◯ Bus

7. Data communication system spanning states, countries, or the whole world is
    _____ *
    (1 Point)

    ◯ LAN

    ⦿ WAN

    ◯ MAN

    ◯ PAN

8. Signals with a frequency below 2 MHz use _____ propagation. *
    (1 Point)

    ◯ ground

    ◯ sky

    ⦿ line-of-sight

    ◯ None of the above

9. _____ cable consists of two insulated copper wires twisted together. *
   (1 Point)

   ○ Coaxial

   ○ Fiber-optic

   ◉ Twisted-pair

   ○ none of the above

10. ____ cable can carry signals of higher frequency ranges than ____ cable. *
    (1 Point)

    ○ Twisted-pair; fiber-optic

    ○ Coaxial; fiber-optic

    ◉ Coaxial; twisted-pair

    ○ none of the above

11. **Which of the following statement is true?**

    i) An address with all bits 1 is interpreted as all networks or all hosts.

    ii) The class A network 128.0.0.0 is defined as the loopback network. *
    (1 Point)

    ◉ i only

    ○ ii only

    ○ Both A and B

    ○ None of the above

12. An address in a block is given as 200.11.8.45. Find the number of usable
    addresses *
    (1 Point)

⦿ 256

◯ 254

◯ 232

◯ 255

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