

COMPOSED BY SADIA ALI Vustudent.ning.com

COMPOSED BY SADIA ALI Vustudent.ning.com

Question No: 1 (Marks: 1)

Which one best describes the given statement:

"To allow multiple users to share total capacity of a transmission medium"

- ▶ congestion control
- ▶ exchange management
- ▶ **multiplexing**

Question No: 2 (Marks: 1)

Transmitting passwords is the responsibility of

- ▶ communication service module
- ▶ network access module
- ▶ **file transfer application**

Question No: 3 (Marks: 1)

Line configuration refers to the way two or more devices attach to a _____.

- ▶ **Link**
- ▶ Circuit
- ▶ Route
- ▶ Node

Question No: 4 (Marks: 1)

Secondary hub in a tree must be a passive hub.

► True

► False

Question No: 5 (M a r k s: 1)

In mesh topology, if there are five nodes then there will be _____ links.

► 5

► 10

► 15

► 20

Question No: 6 (M a r k s: 1)

Line configuration is the function of _____ layer

► data link

► network

► physical

► transport

Question No: 7 (M a r k s: 1)

Data link layer deals with mechanical and electrical specifications of transmission medium and interface

► True

► False

Question No: 8 (M a r k s: 1)

Session layer is responsible for segmentation and reassembly.

► True

► False

Question No: 9 (M a r k s: 1)

A signal that repeats a pattern over a regular interval of time is called_____.

► periodic signal

- ▶ analog signal
- ▶ composite signal

Question No: 10 (Marks: 1)

Signal can be controlled by three attributes: Amplitude, frequency and _____.

- ▶ **phase**
- ▶ time
- ▶ wavelength

Question No: 11 (Marks: 1)

Frequency band in which 99% of the total power resides is called _____

- ▶ **power bandwidth**
- ▶ half power bandwidth
- ▶ 3dB bandwidth
- ▶ F.M.

Question No: 12 (Marks: 1)

The amplitude of a digital signal depends upon the _____ to represent a bit.

- ▶ phase
- ▶ **voltage**
- ▶ wavelength

Question No: 13 (Marks: 1)

DC component is also termed as Direct current component or a component with non-zero frequency.

- ▶ **False**
- ▶ True

Question No: 14 (Marks: 1)

The last process in PCM is _____ digital data into digital signal.

- ▶ **encoding**

- ▶ decoding
- ▶ modulating

Question No: 15 (Marks: 1)

The powerful carrier signal is called as the_____

- ▶ carrier frequency
- ▶ base signal
- ▶ carrier frequency and base signal
- ▶ none of given

Question No: 16 (Marks: 1)

In 8QAM each signal shift or one baud represents _____.

- ▶ 4 bits
- ▶ 2 bits
- ▶ 5 bits
- ▶ 3 bits

Question No: 17 (Marks: 1)

Which of the following is most affected by noise? **ASK(options are not shown)**

FSK▶

PSK▶

QAM▶

ASK▶

Question No: 18 (Marks: 1)

Modulation of an analog signal can be accomplished through changing the _____ of the carrier signal.

- ▶ amplitude
- ▶ frequency
- ▶ phase

► all of the given

Question No: 19 (Marks: 1)

In _____ transmission the timing of the signal is unimportant.

► Asynchronous

► Synchronous

► Polar

► Bi-polar

Question No: 20 (Marks: 1)

In _____ transmission, bits are transmitted simultaneously, each across its own wire.

► Asynchronous serial

► Synchronous serial

► Parallel

► Asynchronous & Synchronous serial

Question No: 21 (Marks: 1)

In _____ transmission, bits are transmitted over a single wire, one at a time.

► Asynchronous serial

► Synchronous serial

► Parallel

► Asynchronous & Synchronous serial

Question No: 22 (Marks: 1)

In _____ transmission, a start bit and a stop bit frame a character byte.

► Asynchronous serial

► Synchronous serial

► Parallel

► Asynchronous & Synchronous serial

Question No: 23 (Marks: 1)

A _____ converts an analog signal into a digital signal.

► Demodulator

► **Modulator**

► Digital-to-analog converter

Question No: 24 (Marks: 1)

_____ requires more bandwidth.

► FSK

► ASK

► PSK

► QAM

Question No: 25 (Marks: 3)

Why we need a Null Modem?

Question No: 26 (Marks: 5)

Describe different types of NRZ encoding scheme?

Question No: 27 (Marks: 10)

Describe functions of each layer of OSI Model briefly?