

## جميع الأجوبة صحيحة

### Question 1

if the available channel is a \_\_\_\_\_channel, we cannot send a digital signal directly to the channel

- a) low-pass
- b) bandpass
- c) low rate
- d) high rate

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### Question 2

Which address is used on the internet for employing the TCP/IP protocols?

- a) physical address and logical address
- b) port address
- c) specific address
- d) all of the mentioned

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### Question 3

The structure or format of data is called \_\_\_\_\_

- a) Syntax
- b) Semantics
- c) Struct
- d) Formatting

#### Question 4

Which layer is responsible for process to process delivery in a general network model?

- a) network layer
  - b) transport layer
  - c) session layer
  - d) data link layer
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#### Question 5

A single channel is shared by multiple signals by \_\_\_\_\_

- a) analog modulation
  - b) digital modulation
  - c) multiplexing
  - d) phase modulation
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#### Question 6

The physical layer is concerned with \_\_\_\_\_

- a) bit-by-bit delivery
  - b) process to process delivery
  - c) application to application delivery
  - d) port to port delivery
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### Question 7

The functionalities of the presentation layer include \_\_\_\_\_

- a) Data compression
  - b) Data encryption
  - c) Data description
  - d) All of the mentioned
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### Question 8

TCP/IP model does not have \_\_\_\_\_ layer but OSI model have this layer.

- a) session layer
  - b) transport layer
  - c) application layer
  - d) network layer
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### Question 9

Three or more devices share a link in \_\_\_\_\_ connection.

- a) Unipoint
- b) Multipoint
- c) Point to point
- d) Simplex

### Question 10

Transmission data rate is decided by \_\_\_\_\_

- a) network layer
  - b) physical layer**
  - c) data link layer
  - d) transport layer
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### Question 11

Which transmission media provides the highest transmission speed in a network?

- a) coaxial cable
  - b) twisted pair cable
  - c) optical fiber**
  - d) electrical cable
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### Question 12

How many layers are present in the Internet protocol stack (TCP/IP model)?

- a) 5**
- b) 7
- c) 6
- d) 10

### Question 13

For a \_\_\_\_\_ channel, we need to use the Shannon capacity to find the maximum bit rate.

- a) noisy
  - b) noiseless
  - c) bandpass
  - d) low-pass
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### Question 14

\_\_\_\_\_ is a type of transmission impairment in which the signal loses strength due to the resistance of the transmission medium

- a) Attenuation
- b) Distortion
- c) Noise
- d) Decibel

### Question 15

The term ..... describes the position of the waveform relative to time 0.

- a) Frequency
  - b) Phase
  - c) Phase Shift
  - d) Time period
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### Question 16

Baseband transmission of a digital signal is possible only if we have a \_\_\_\_\_ channel

- a) low-pass
- b) bandpass
- c) low rate
- d) high rate

### Question 17

A(n)\_\_\_\_\_ is a composite analog signal with an infinite bandwidth

- a) digital signal
- b) analog signal
- c) either (a) or (b)
- d) neither (a) nor (b)

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### Question 18

In the layer hierarchy as the data packet moves from the upper to the lower layers, headers are \_\_\_\_\_

- a) added
- b) removed
- c) rearranged
- d) modified

### Question 19

What are the factors on which data rate depends?

- a) bandwidth available
- b) the number of levels in the signal
- c) the level of noise
- d) all of the mentioned

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### Question 20

A \_\_\_\_\_ sin wave is not useful in data communication, we need to send a \_\_\_\_\_ signal

- a) composite; single-frequency
- b) Single-frequency ; composite
- c) single-frequency; double frequency
- d) None of the above