

Data Communication and Networking Exam Questions Pdf

Question: 1

Modulation is the process of

- (A) Echoing every character that is received
- (B) Sending a file from one computer to another computer
- (C) Converting digital signals to analog signals
- (D) Converting analog signals to digital signals

Ans: C

Converting digital signals to analog signals

Question: 2

Many low-speed channels are interwoven into one high-speed transmission by

- (A) Frequency-division multiplexer
- (B) Time-division multiplexer
- (C) Both (a) and (b)
- (D) None of these

Ans: B

Time-division multiplexer

Question: 3

Which of the following is the difference between a multiplexer and a statistical multiplexer?

- (A) Multiplexer use X.25 protocol, while statistical multiplexers use the Alpha protocol
- (B) Statistical multiplexers need buffers while multiplexers do not need buffers
- (C) Multiplexers often waste the output link capacity while statistical multiplexers oppose its use
- (D) Multiplexers use Time Division multiplexing (TDM) while statistical multiplexers uses Frequency division multiplexing (FDM)

Ans: B

Statistical multiplexers need buffers while multiplexers do not need buffers

Question: 4

The synchronous modems are more costly than the asynchronous modems because

- (A) They operate with a larger bandwidth
- (B) They produce large volume of data
- (C) They contain clock recovery circuits
- (D) They transmit the data with stop and start bits

Ans: C

They contain clock recovery circuits

Question: 5

To connect a computer with a device in the same room, you might be likely to use

- (A) A ground station
- (B) A dedicated line
- (C) A coaxial cable
- (D) All of the above

Ans: C

A coaxial cable