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**Question 2**

Answer saved

Marked out of 1.00

The power consumption and efficiency is best in which type of signal?

- ☐ a. Square wave signal
- ☐ b. None of the above
- ☒ c. Digital
- ☐ d. Analog

[CLEAR MY CHOICE](#)**Question 3**

Answer saved

Marked out of 1.00

The frequency of broad cast radio varies from?

- ☐ a. 3kHz- 100GHz
- ☐ b. 30MHz- 300GHz
- ☐ c. 20MHz- 20GHz
- ☒ d. None of the above

[CLEAR MY CHOICE](#)**Question 4**

Answer saved

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- Data refers to the raw facts that are collected while information refers to processed data that enables us to take decisions.

Select one:

- ☒ True
- ☐ False

## Question 5

Answer saved

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Fiber optic cable has bandwidth more than 2 gbps (Gigabytes per Second).

- ☒ a. True  
☐ b. False

[CLEAR MY CHOICE](#)

## Question 6

Answer saved

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Normally, a Channel has a certain capacity for transmitting information, often measured by its bandwidth in volts or its data rate in bytes per second

- ☐ a. True  
☒ b. False

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**Question 7**

Answer saved

Marked out of 1.00

Each user of the VSAT is connected via the hub to the satellite in a star topology.

Select one:

- ☒ True
- ☐ False

**Question 8**

Answer saved

Marked out of 1.00

The main component of an optical receiver is a photodetector, which converts light into electricity using the photoelectric effect.

- ☐ a. False
- ☒ b. True

[CLEAR MY CHOICE](#)

**Question 9**

Answer saved

Marked out of 1.00

In Simplex, the direction of communication is

- ☒ a. Unidirectional
- ☐ b. Can't say
- ☐ c. Bi-directional

[CLEAR MY CHOICE](#)

## Question 10

Answer saved

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If the signal level changes are 5400 within a second, then the baud rate will be?

- ☐ a. 2700
- ☐ b. 3000
- ☐ c. 6000
- ☒ d. 5400

[CLEAR MY CHOICE](#)

## Question 11

Answer saved

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IF the data is 10010100, then for asynchronous transmission, what will be the final input signal into the channel?

- ☐ a. 0100101000
- ☐ b. 0100101001
- ☒ c. 1100101001
- ☐ d. 1001010000

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**Question 12**

Answer saved

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Asynchronous transmission is slow because of :

- ☒ a. All of the above
- ☐ b. Insertion of stop bits
- ☐ c. Insertion of gaps
- ☐ d. Insertion of start bits

[CLEAR MY CHOICE](#)**Question 13**

Answer saved

Marked out of 1.00

Fiber optic system consists of a transmitting device that converts an electrical signal into a voice signal and then to light signal.

- ☐ a. True
- ☒ b. False

[CLEAR MY CHOICE](#)**Question 14**

Answer saved

Marked out of 1.00

VSAT handles data, voice, and video signals.

- ☒ a. True
- ☐ b. False

[CLEAR MY CHOICE](#)

Question **15**

Answer saved

Marked out of 1.00

The Frequency range for microwaves is;

- ☒ a. 1GHz to 300GHz
- ☐ b. 5GHz to 100GHz
- ☐ c. 1KHz to 100MHz
- ☐ d. 2MHz to 500GHz

[CLEAR MY CHOICE](#)Question **16**

Answer saved

Marked out of 1.00

What type of waves are often refracted by the atmospheric layers?

- ☐ a. None of the above
- ☐ b. Medium waves
- ☒ c. Microwaves
- ☐ d. Ultrasonic waves

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**Question 17**

Answer saved

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In which transmissio mode, the Sender can send and receive data simultaneously.

- ☒ a. Full- Duplex
- ☐ b. None of the above
- ☐ c. Simplex
- ☐ d. Half- Duplex

[CLEAR MY CHOICE](#)**Question 18**

Answer saved

Marked out of 1.00

Digital signal is a continuous signal which represents physical measurements.

- ☐ a. False
- ☒ b. True

[CLEAR MY CHOICE](#)**Question 19**

Answer saved

Marked out of 1.00

Which transmission offers real-time communication between linked devices?

- ☒ a. Synchronous
- ☐ b. None of the above
- ☐ c. Asynchronous

[CLEAR MY CHOICE](#)

Question **20**

Answer saved

Marked out of 1.00

In general, if a signal has L levels then, each level need how many bits ?

- ☐ a. (Log L) square
- ☐ b. None of these
- ☒ c. Log of L Base 2
- ☐ d. L Square

[CLEAR MY CHOICE](#)Question **21**

Answer saved

Marked out of 1.00

Which is the most common coaxial standards?

- ☐ a. 50-Ohm RG-58 : used with thin Ethernet
- ☒ b. 60-Ohm RG-59 : used with thin Ethernet
- ☐ c. 52-Ohm RG-60 : used with thin Ethernet
- ☐ d. None of the above

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**Question 22**

Answer saved

Marked out of 1.00

Long distance telephone communication is possible through parabolic antennas

- ☐ a. False
- ☒ b. True

[CLEAR MY CHOICE](#)**Question 23**

Answer saved

Marked out of 1.00

The bit rate of 11011111 is;

- ☐ a. 7
- ☐ b. 9
- ☒ c. 8
- ☐ d. 6

[CLEAR MY CHOICE](#)**Question 24**

Answer saved

Marked out of 1.00

Number twists per unit length determines the quality of cable

- ☒ a. True
- ☐ b. False

[CLEAR MY CHOICE](#)

Question **25**

Answer saved

Marked out of 1.00

A non- periodic composite signal when decomposed gives .....

- ☒ a. A combination of sine waves with continuous frequencies.
- ☐ b. A series of signals with discrete frequencies.
- ☐ c. A combination of sine waves with discontinuous frequencies.
- ☐ d. A combination of sine and cosine waves with continuous frequencies.

[CLEAR MY CHOICE](#)Question **26**

Answer saved

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Unshielded twisted pair (UTP) cable normally has an impedance of 110 ohm.

- ☒ a. False
- ☐ b. True

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