



**Ahmedabad  
University**

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**Time taken** 14 mins 14 secs

**Marks** 6.75/12.00

**Grade** 2.81 out of 5.00 (56%)

Question **1**

Correct

Mark 1.00 out of 1.00

What is the maximum number of IPv4 addresses in a /25 prefix?

Answer: ✓

The correct answer is: 128

Question **2**

Partially correct

Mark 0.50 out of 1.00

Which of the following is/are true ?

Select one or more:

- ☐ a. Jitter is the same as RTT.
- ☒ b. Variations in queuing delay can cause jitter. ✓
- ☒ c. To use ISM bands one must obtain a license. ✗
- ☒ d. Data must be converted to analog signal before it can be transmitted on a link. ✓

Your answer is partially correct.

You have selected too many options.

The correct answers are: Variations in queuing delay can cause jitter., Data must be converted to analog signal before it can be transmitted on a link.



Question **3**

Correct

Mark 1.00 out of 1.00

In DSSS, data bits 1101 using spreading sequence 01001101101100.... are sent as 2 bit chipping code is

Answer: 

The correct answer is: 10111110

Question **4**

Incorrect

Mark 0.00 out of 1.00

Which kind of traffic originates at or terminates on nodes within AS ?

Answer: 

The correct answer is: Local




Question **5**

Partially correct

Mark 0.25 out of 1.00

Which of the following methods are used in order to deal with bit errors in wireless networks?

Select one or more:

- ☒ a. Frequency hopping spread Spectrum 
- ☐ b. Noise reduction
- ☐ c. Error Correction
- ☐ d. Error Detection

Your answer is partially correct.

You have correctly selected 1.

The correct answers are: Error Detection, Noise reduction, Error Correction, Frequency hopping spread Spectrum



Question **6**

Correct

Mark 1.00 out of 1.00

What does the IEEE 802.11 distribution system do?

Select one or more:

- ☐ a. Provide domain name service
- ☒ b. Provide mobility to hosts ✓
- ☒ c. Deliver packets to hosts ✓
- ☐ d. Provide network address translation

Your answer is correct.

The correct answers are: Provide mobility to hosts, Deliver packets to hosts



Question **7**

Partially correct

Mark 0.50 out of 1.00

Which of the following are advantages of a virtual LAN?

Select one or more:

- ☐ a. VLANs can scale to global network.
- ☐ b. They allow users to work on sensitive information that should not be seen by other users.
- ☐ c. VLAN switches don't use spanning tree protocol
- ☒ d. Virtual LAN improves the scalability of extended LANs ✓

The correct answers are: Virtual LAN improves the scalability of extended LANs, They allow users to work on sensitive information that should not be seen by other users.



Question 8

Incorrect

Mark 0.00 out of 1.00

NRZI encoding suffers from baseline wander.

Select one:

☐ True

☒ False ✗

The correct answer is 'True'.



Question 9

Partially correct

Mark 0.50 out of 1.00

Which of the following is/are correct?

Select one or more:

- ☐ a. Using CSMA solves hidden node problem
- ☒ b. Spread spectrum methods are used in order to decrease bit error probability in wireless networks ✓
- ☐ c. Increasing signal power in wireless networks decreases interference
- ☐ d. Spread spectrum methods are used in order to reduce impact of interference from other devices

Your answer is partially correct.

You have correctly selected 1.

The correct answers are: Spread spectrum methods are used in order to reduce impact of interference from other devices, Spread spectrum methods are used in order to decrease bit error probability in wireless networks





Question **10**

Incorrect

Mark 0.00 out of 1.00

Which of the following is true regarding BGP?

Select one or more:

- ☐ a. BGP is intradomain routing protocol
- ☒ b. BGP finds the shortest path. ✖
- ☐ c. BGP is a path vector routing protocol
- ☒ d. BGP is interdomain routing protocol ✔

The correct answers are: BGP is interdomain routing protocol, BGP is a path vector routing protocol

Question **11**

Correct

Mark 1.00 out of 1.00

IPv6 addresses are ✔ bytes long.

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Question **12**

Correct

Mark 1.00 out of 1.00

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Transport layer provides services to  layer

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