Est. Length: 2:00:00 Time Taken:0:52:16 KHIU KIM HONG EEE-DEEE-FT-3A-06: Attempt 1 06 1 2 3 O 2 08 Question 15 (6 points)

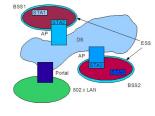
Saved $Which one of the following statements is FALSE \ regarding \ in frastructure \ mode?$ Page 2: 10 11 12 13 14 15 16 Distribution System is used to connect multiple BSSs together for seamless communication. STA from one BSS can communicate with another STA from another BSS. All BSSs in ESS must be overlapping in their coverage. Infrastructure mode requires the present of an access point. Question 16 (6 points) ✓ Saved Which one of the following statements is FALSE regarding infrastructure mode? Distribution System is used to connect multiple BSSs together for seamless communication. STA from one BSS can communicate with another STA from another BSS. Infrastructure mode requires the present of an access point. All BSSs in ESS must be overlapping in their coverage. Page 2 of 2 Submit Quiz 16 of 16 questions saved

Previous Page Page 1 of 2 1 2 3 Question 1 (6 points)

Saved The equation for bit rate (Rate_b) of 802.11b standard with 5.5 Mbps and 11 Mbps is given as: Rate_b = BaudRate X (A)bits/symbol X (B) bits/sequence where A and B values are depending on the modulation techniques What is the BaudRate for IEEE 802.11b standard with 5.5 Mbps if the modulation technique is 2-DQPSK? Page 2: 10 11 12 1 Mbaud 2.75 Mbaud 13 14 15 1.375 Mbaud 2 Mbaud 16 Question 2 (6 points)

Saved Which one of the following IEEE802.11 standards has the lowest bit rate? ☐ IEEE802.11n ☐ IEEE802.11a ☐ IEEE802.11g ● IEEE802.11b

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Question 3 (10 points)

Saved

Match the following terminologies to their description.

- 1 ~ AP
- 2 ST.
- 4 V DS

- 1. Devices that join one BSS to DS
- 2. Device that can transmit and receive WLAN signal
- A collection of devices that can transmit and receive to one another within the RF transmission range

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Saved 1 2 3 Match the following terminologies to their description. 4 5 6 7 8 9 Page 2: 10 11 12 802 x LAN 13 14 15 1. Devices that join one BSS to DS 16 2. Device that can transmit and receive WLAN 3. A collection of devices that can transmit and receive to one another within the RF 4. To provide logical services to enable multiple BSSs to interconnect one another 5. To interconnect WLAN to existing wired 6. A collection of devices that can transmit and receive to one another even when they are not within RF transmission range Question 4 (6 points) ✓ Saved Which one of the following standards uses direct sequence spread spectrum technology (DSSS)? ☐ IEEE 802.11n ☐ IEEE 802.11a ● IEEE 802.11b ☐ IEEE 802.11g Question 5 (8 points)

Saved Which of the following layers in the OSI reference model are being defined in IEEE 802.11 standard?

Presentation Layer

Page 1: 1 2 3 Question 4 (6 points)

Saved Which one of the following standards uses direct sequence spread spectrum technology (DSSS)? 4 5 6 ☐ IEEE 802.11n 7 8 9 ☐ IEEE 802.11a Page 2: ● IEEE 802.11b 10 11 12 ☐ IEEE 802.11g 13 14 15 Question 5 (8 points) ✓ Saved Which of the following layers in the OSI reference model are being defined in IEEE 802.11 standard? Session Layer Transport Layer Network Layer LLC 802.1 MAC Application layer Physical layer Transport layer Session layer Network layer Presentation layer Data Link layer Question 6 (6 points)

Saved How many non-overlapping channels are available in Japan for IEEE802.11b?

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1 2 3 How many non-overlapping channels are available in Japan for IEEE802.11b? Page 2: 01 10 11 12 • 4 O 2 13 14 15 O 3 16 Question 7 (6 points)

Saved Which multiple access protocol is used in IEEE802.11g? OSSS (Direct Sequence Spread Spectrum) AFHSS (Adaptive Frequency Hopping Spread Spectrum) FHSS (Frequency Hopping Spread Sprectrum) OFDM (Orthogonal Frequency Division Multiplexing) Question 8 (6 points)

Saved Which one of the following statements is TRUE regarding ad-hoc mode? Ad-hoc mode can only be formed using two STAs. Ad-hoc mode requires one STA to be master and the other STA to be slave. Ad-hoc mode allows STAs in the same IBSS to communicate to one another. Ad-hoc mode requires the presence of an access point. Question 9 (6 points)

Saved Which one of the following statements is FALSE regarding the IEEE 802.11b standard? It can only have 3 non-overlapping frequency channels in Singapore It has the maximum bit rate of 54 Mbps. Its bandwidth is 22 MHz

It uses differential digital modulation technique.

Page	1:			,
1	2	3	<u>1</u>	
~	~	~	• 4	
	5	6	<u>2</u>	
~	~	~	<u></u> 3	
7	8	9	Question 7 (6 points) Saved	
~	~	~	Which multiple access protocol is used in IEEE802.11g?	
Page 2:				
10	11	12	OSSS (Direct Sequence Spread Spectrum)	
~	~	~	AFHSS (Adaptive Frequency Hopping Spread Spectrum)	
13	14	15	FHSS (Frequency Hopping Spread Sprectrum)	
~	~	~	 OFDM (Orthogonal Frequency Division Multiplexing) 	
16			Question 8 (6 points)	
			Which one of the following statements is TRUE regarding ad-hoc mode?	
			Ad-hoc mode can only be formed using two STAs.	
			Ad-hoc mode requires one STA to be master and the other STA to be slave.	
			Ad-hoc mode allows STAs in the same IBSS to communicate to one another.	
			Ad-hoc mode requires the presence of an access point.	
			Question 9 (6 points) ✓ Saved	
			Which one of the following statements is FALSE regarding the IEEE 802.11b standard?	
			It can only have 3 non-overlapping frequency channels in Singapore	
			It has the maximum bit rate of 54 Mbps.	
			Its bandwidth is 22 MHz	
			It uses differential digital modulation technique.	
			Previous Page Next Page	Page 1 of 2
			Submit Quiz 16 of 16 questions saved	

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Est. Length: 2:00:00 Time Taken:0:51:55 KHIU KIM HONG EEE-DEEE-FT-3A-06: Attempt 1 Previous Page Next Page Page 2 of 2 1 2 3 Question 10 (6 points)

Saved The equation for bit rate (Rate_b) of 802.11a standard is given as: $Rate_b = 0.25xRx48xlog_2M$ where R = Coding Rate M = the order of modulation Page 2: 0.25 (Mbaud) = symbol rate 10 11 12 48 = no. of data channels V V What is the bit rate for IEEE 802.11a if the modulation is QPSK and convolutional coding rate is $\frac{4}{3}$? 13 14 15 24 Mbps 16 9 Mbps 6 Mbps 18 Mbps Question 11 (6 points)

Saved Which one of the following statements is FALSE regarding the IEEE 802.11g standard? It uses the same OFDM protocol as IEEE 802.11a. It uses the same coherent digital modulation technique as IEEE 802.11a. It operates on the same frequency channels as IEEE 802.11b. It has the same coverage as IEEE 802.11a. Question 12 (4 points) ✓ Saved IEEE802.11g has a wider coverage area compared to IEEE802.11a. True False Question 13 (6 points)

Saved Which type of modulation technique is used in IEEE 802.11a? CCK (Complementary Code Keying) QPSK (Quadrature Phase Shift Keying) ASK (Amplitude Shift Keying)

FSK (Frequency Shift Keying)

Question 14 (6 points)

Saved

Page 1: Question 14 (6 points)

Saved 1 2 3 How many non-overlapping channels do IEEE 802.11a have if the available spectrum in from 5.15 GHz to 5.25 GHz? Page 2: 10 11 12 13 14 15 06 02 08 Question 15 (6 points)

Saved Which oneof the following statements is FALSE regarding infrastructure mode? Distribution System is used to connect multiple BSSs together for seamless communication. STA from one BSS can communicate with another STA from another BSS. All BSSs in ESS must be overlapping in their coverage. Infrastructure mode requires the present of an access point. Question 16 (6 points)

Saved $Which one of the following statements is FALSE \ regarding \ infrastructure \ mode?$ Distribution System is used to connect multiple BSSs together for seamless communication. STA from one BSS can communicate with another STA from another BSS.

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