th: 2:00:00 Time Taken:0:24:02 KHIU KIM HONG EEE-DEEE-FT-3A-06: Attempt 2 Deauthentication Question 10 (12 points) ✓ Saved Which of the following statements are TRUE for Point Coordination Function (PCF) and Distributed Coordination Function (DCF)? PCF is used during the Contention Period (CP). ✓ PCF requires the AP to perform the role of a polling master. The interframe space used in DCF is DIFS. The interframe space used in PCF is PIFS. DCF is used during the Contention Free Period (CFP). PCF and DCF can be used simultaneously in a BSS. PCF and DCF can operate in all APs and all STAs. PIFS has a longer interval than DIFS

2:00:00 Time Taken:0:22:36

KHIU KIM HONG EEE-DEEE-FT-3A-06: Attempt 2

3

Arrange the following events for an STA to successfully transmit in the distributed coordination function without RTS/CTS.



STA completes its data transmission.



6

STA senses that the wireless medium is free.



When the backoff interval counter reaches zero, STA will start its data transmission.



AP will transmit the acknowledgement packet.



STA will wait for the expiry of distributed interframe space (DIFS).



STA will start to decrease its backoff interval counter.



STA will listen to the wireless medium to detect for any transmission.



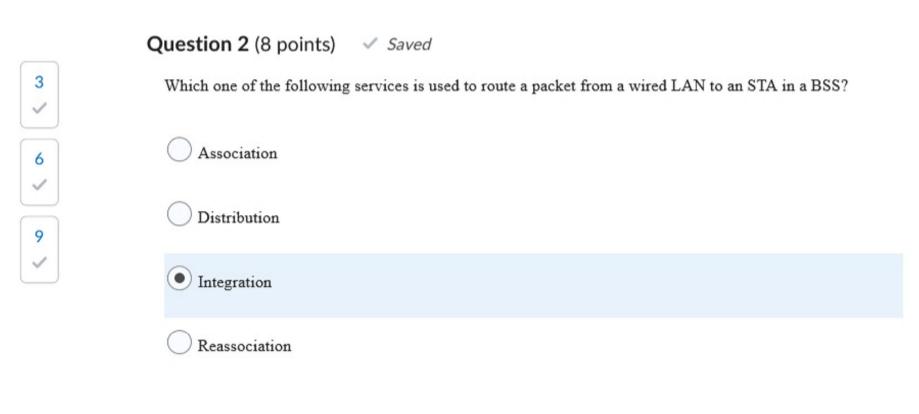
STA will select a random backoff interval.



AP will wait for the expiry of short interframe space (SIFS).



2:00:00 Time Taken:0:22:45 KHIU KIM HONG EEE-DEEE-FT-3A-06: Attempt 2



Which one of the following services is used to allow an STA to roam around different ESS?



2:00:00 Time Taken:0:22:51 KHIU KIM HONG EEE-DEEE-FT-3A-06: Attempt 2

Question 3 (8 points)
Saved

Which one of the following services is used to allow an STA to roam around different ESS?

Reassociation

Disassociation

Association

Integration

Question 4 (14 points) ✓ Saved

Arrange the following events for an STA to successfully transmit in the distributed coordination function RTS/CTS.

Time Taken:0:23:01

KHIU KIM HONG EEE-DEEE-FT-3A-06: Attempt 2







Question 4 (14 points) ✓ Saved

Arrange the following events for an STA to successfully transmit in the distributed coordination function RTS/CTS.

10

STA completes its data transmission.

7

AP will transmit CTS.

13

STA will select a random backoff interval.

8

After CTS is successfully transmitted, STA will wait for the expirty of short interframe space (SIFS).

1

STA senses that the wireless medium is free.

6

After RTS is successfully transmitted, AP will wait for the expiry of short interframe space (SIFS).

11

AP will wait for the expiry of short interframe space (SIFS).

2

STA will wait for the expiry of distributed interframe space (DIFS).

KHIU KIM HONG EEE-DEEE-FT-3A-06: Attempt 2

STA will wait for the expiry of distributed interframe space (DIFS).

STA will listen to the wireless medium to detect for any transmission.

When the backoff interval counter reaches zero, STA will transmit RTS.

space

	Time Takenioi20:10	Killo Kill Florid EEE DEEE Florid Go. Attempt 2
3	8 🗸	After CTS is successfully transmitted, STA will wait for the expirty of short interframe space (SIFS).
~	1 ~	STA senses that the wireless medium is free.
6	6 ~	After RTS is successfully transmitted, AP will wait for the expiry of short interframe space (SIFS).
9	11 ~	AP will wait for the expiry of short interframe space (SIFS).

AP will transmit the acknowledgement packet.

STA will start to decrease its backoff interval counter.

STA will start its data transmission.

2:00:00

Time Taken:0:23:13

2

12

4

9

5

3

Time Taken:0:23:20

KHIU KIM HONG EEE-DEEE-FT-3A-06: Attempt 2

3

How does a Power-Save mode STA know that there are frames buffered at the AP?

By reading the Transmit Indication Map (TIM) in the beacon frame

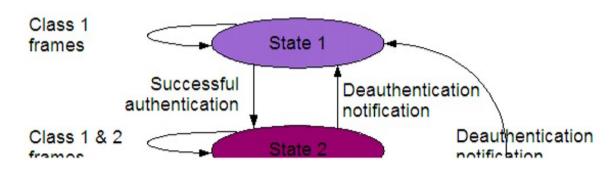
6

By reading the Time Indication Map (TIM) in the beacon frame

9

- By reading the Traffic Indication Map (TIM) in the beacon frame
- By reading the Transfer Indication Map (TIM) in the beacon frame

What values of two variables to keep track of the authentication and association status of a STA in State 2?



Time Taken:0:23:28

KHIU KIM HONG EEE-DEEE-FT-3A-06: Attempt 2

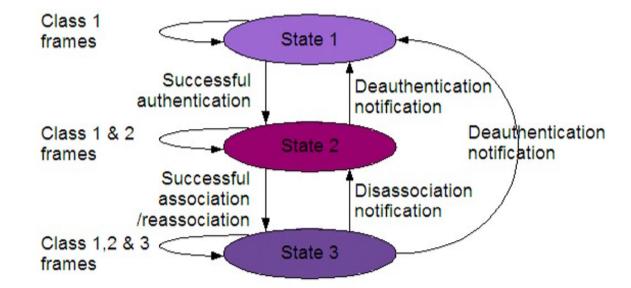
3





Question 6 (8 points) ✓ Saved

What values of two variables to keep track of the authentication and association status of a STA in State 2?



- unauthenticated and unassociated
- authenticated and unassociated
- authenticated and associated

2:00:00 Time Taken:0:23:35 KHIU KIM HONG EEE-DEEE-FT-3A-06: Attempt 2

3

v





Question 7 (8 points) ✓ Saved

What is purpose of physically sensing the channel in CSMA/CA without RTS/CTS?

- To prevent STAs from transmitting immediately after the end of transmission of the previous packet.
- To prevent STAs from transmission once the channel becomes idle.
- To prevent STAs from transmitting a long packet.
- To prevent STAs from transmission when the channel is busy.

Which of the following is/are TRUE for WLAN securities?

- In IEEE 802.11 WLAN, a Service Set Identifier (SSID) of the network has to be configured at all its APs for authentication.
- WPA encryption employs the temporal key integrity protocol (TKIP) that uses a 48-bit hashed initialization vector and also changes the key after a user-specified amount of time.

Time Taken:0:23:44

KHIU KIM HONG EEE-DEEE-FT-3A-06: Attempt 2







Question 8 (12 points) ✓ Saved

Which of the following is/are TRUE for WLAN securities?

- In IEEE 802.11 WLAN, a Service Set Identifier (SSID) of the network has to be configured at all its APs for authentication.
- WPA encryption employs the temporal key integrity protocol (TKIP) that uses a 48-bit hashed initialization vector and also changes the key after a user-specified amount of time.
- WEP encryption is more secure than WPA encryption in WLAN technology.
- WPA-PSK uses a same encryption key for each client device, for each packet, for each session, unlike WEP, which only varies the 24-bit IV.
- Shared Key authentication (WEP) is more secure than Open System authentication
- ✓ WEP encryption uses a 24-bit initialization vector (IV) for either 64-bit encryption or 128-bit encryption.

Which one of the following services is used to enable data encryption between different STAs?

th: 2:00:00 Time Taken:0:23:56 KHIU KIM HONG EEE-DEEE-FT-3A-06: Attempt 2 Question 9 (8 points) ✓ Saved Which one of the following services is used to enable data encryption between different STAs? Authentication Privacy MSDU delivery Deauthentication Question 10 (12 points) ✓ Saved Which of the following statements are TRUE for Point Coordination Function (PCF) and Distributed Coordination Function (DCF)? PCF is used during the Contention Period (CP). → PCF requires the AP to perform the role of a polling master.