

Latest Version: 10.0

Question: 1

What is the function of the PHY Preamble?

- A. To set the modulation method for the MPDU
- B. Allows the receiver to detect and synchronize with the signal
- C. To terminate a conversation between transmitter and receiver
- D. Carries the NDP used in Transmit Beamforming and MU-MIMO

Answer: B

Question: 2

A PHY Header is added to the PSDU at which sub-layer?

- A. LLC
- B. MAC
- C. PLCP
- D. PMD

Answer: C

Explanation:

: The PLCP adds a preamble and PHY header to the PSDU.

Reference: <https://dot11ap.wordpress.com/define-terminology-related-to-the-mac-phy/>

Question: 3

Which one of the following portions of information is communicated in the PHY Header?

- A. Signal strength
- B. Data rate
- C. SNR
- D. Noise

Answer: D

Question: 4

When performing protocol analysis, you capture an 802.11ac data frame on channel 52, transmitted at MSC 8.

At what data rate was the PHY Preamble transmitted?

- A. 54 Mbps
- B. 6 Mbps
- C. 86.7 Mbps
- D. 78 Mbps

Answer: B

Explanation:

: The transmitter sends the preamble at 1 Mbps (802.11 or 802.11b DSSS) or 6 Mbps (802.11a or 802.11g ERP-OFDM).

Reference: http://mediA.techtarget.com/searchMobileComputing/downloads/CWAP_ch8.pdf

Question: 5

Which piece of information is not transmitted in an HT PDDU header?

- A. Number of Spatial Streams
- B. PPDU length
- C. Channel number
- D. MCS index

Answer: D

Question: 6

Given: The Frame Check Sequence (FCS) is a 32 CRC used for error detection. The CRC is calculated over what?

- A. Frame Body only
- B. Mac Header and Frame Body only
- C. PHY Header, MAC Header and Frame Body
- D. PHY Header and MAC Header only

Answer: B

Question: 7

Where would you look in a packet trace file to identify the configured Minimum Basic Rate (MBR) of a BSS?

- A. Supported Rates & Extended Supported Rates elements in a Beacon frame
- B. In the MBR Action frame
- C. In the Minimum Basic Rate Element in a Beacon frame
- D. In the MBR Information Element in an Association Response frame

Answer: A

Question: 8

After examining a Beacon frame decode you see the SSID Element has a length of 0. What do you conclude about this frame?

- A. The frame is corrupted
- B. This is a common attack on WISP backend SQL databases
- C. The beacon is from a BSS configured to hide the SSID
- D. SSID elements always have a length of 0

Answer: C