Match the following IP sec Mode with their corresponding functions?

Actually puts all IP packet within another (outer) one

Tunnel Mode ⇕

IP header is not protected (except some fields)

Transport Mode ⇕

AH Protocol detected the replays attacks via sequence numbers.

Select one:

🔘 True

⚪ False

IPSec in the _____ mode does not protect the IP header

- ⦿ a. Transport Mode

- ○ b. Neither (a) nor (b)

- ○ c. Either (a) or (b)

- ○ d. Tunnel Mode

Clear my choice

The _ _ _ _ _ _ _ mode is normally used when we need host-to-host (end-to-end) protection of data

- ⦿ a. Transport Mode

- ○ b. Either (a) or (b)

- ○ c. Tunnel Mode

- ○ d. Neither (a) nor (b)

Clear my choice

In AH and ESP protocols the authentication and data integrity are based on use of a MAC function

Select one:

🔘 True

⚪ False

ESP supports range of ciphers, modes

−DES, Triple-DES, RC5, IDEA, Blowfish, etc.
−CBC is the most common mode

Select one:

◉ True

○ False

Question 8

Not yet
answered

Marked out of
1

⚐ Flag
question

Which of the following component is included in IP security?

○ a. Authentication Header (AH)

● b. All of the mentioned

○ c. Security Parameters Index (SPI)

○ d. Encapsulating Security Payload (ESP)

Clear my choice

Security Associations (SA) is two-way relationship between sender & receiver

Select one:

○ True

◉ False

Question 10

Not yet
answered

Marked out of
1

⚐ Flag
question

_____ provides Data Integrity , authentication and encryption, for packets at the IP level.

○ a. AH and ESP

◉ b. Encapsulating Security Payload (ESP)

○ c. None of them

○ d. Authentication Header (AH)

Clear my choice

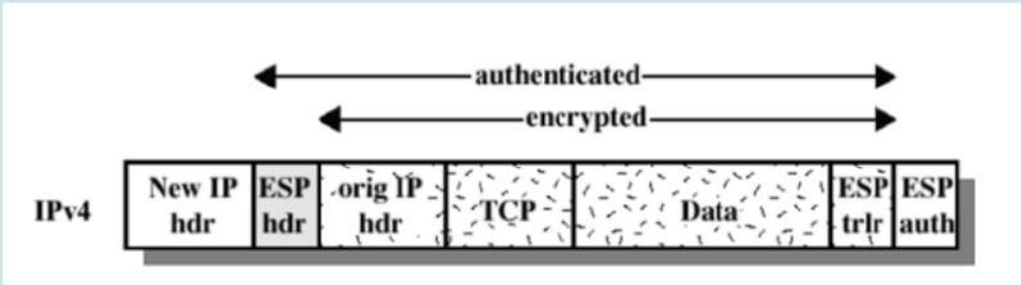Which of the following mode used in the diagram?

○ a. AH Tunnel Mode

● b. ESP Tunnel Mode

○ c. ESP Transport Mode

○ d. AH Transport Mode

Clear my choice