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Question 1

Question Type: MultipleChoice

Which of the following statements about fingerprint-based positioning technology are true? (Select All that Apply)

Options:

A- The positioning engine generates a virtual fingerprint library through calculations based on the AP deployment and environment information.

B- Terminals learn from each other to form a fingerprint library that can be shared.

C- APs collect surrounding environment information to form a fingerprint library.

D- The fingerprint map is obtained through onsite information collection.

Answer:

A, D

Explanation:

Fingerprint-based positioning technology is a method that uses the signal strength or phase difference of wireless signals to locate objects. There are two types of fingerprint-based positioning technology: virtual fingerprint-based positioning and real fingerprint-based

positioning. In virtual fingerprint-based positioning, the positioning engine generates a virtual fingerprint library through calculations based on the AP deployment and environment information. In real fingerprint-based positioning, the fingerprint map is obtained through onsite information collection.

Question 2

Question Type: MultipleChoice

Satellite positioning can achieve high positioning accuracy in both indoor and outdoor scenarios.

Options:

A- True

B- False

Answer:

B

Explanation:

Satellite positioning can achieve high positioning accuracy in outdoor scenarios, but not in indoor scenarios. This is because satellite signals are easily blocked or interfered by buildings, walls, ceilings, and other obstacles in indoor environments.

Question 3

Question Type: **DragDrop**

Drag the Huawei's wireless positioning solutions on the left to their corresponding features and application scenarios on the right.

Runs based on the built-in Bluetooth module of an AP, which can be implemented on either the network side or terminal side.

Answer:

Question 4

Question Type: MultipleChoice

Provides high positioning accuracy, and is applicable to scenarios that require high accuracy, such as intelligent manufacturing, warehousing logistics, and mechanical manufacturing.

Which of the following components is not included In a typical RFID system?

Options:

A- Information processing platform

B- RFID tag

C- Router

D- RFID reader

Performs network-side positioning generally based on the RSSI, but provides low positioning accuracy. This method applies to scenarios such as precision marketing and customer flow analysis in shopping malls.

Runs based on the built-in Bluetooth module of an AP. The AP reports data to a positioning engine for location resolution. This positioning technology provides low positioning accuracy and applies to asset positioning and personnel positioning scenarios.

Answer:

C

Explanation:

A router is not included in a typical RFID system. A typical RFID system consists of three components: RFID tag, RFID reader, and information processing platform. The RFID tag is attached to the object to be identified, the RFID reader communicates with the tag and reads its information, and the information processing platform processes and stores the data collected by the reader.

Question 5

Question Type: DragDrop

Differentiated network planning needs to be performed to meet requirements of different IoT services in Huawei's CloudCampus IoT solutions. Drag the solutions on the left to their corresponding network planning suggestions on the right.

Shelves may be blocked in application scenarios
Therefore, shelf blocking must be considered d
network planning. The shelves can be deployed
aisles to minimize obstacles toward integrated t
stations.

Shelves may be blocked in
Therefore, shelf blocking
network planning. The she
aisles to minimize obstacle
stations.

The RFID signal coverage distance is 25 m.
Therefore, RFID signal coverage must be considere
during AP deployment planning. Attach RFID tags
on the surface or top of assets to prevent signals
from being blocked.

The RFID signal coverage
Therefore, RFID signal cov
during AP deployment pla
on the surface or top of as
from being blocked.

For applications that support regional positioning,
positioning devices need to be deployed at key
entrances and exits based on service requirements.

For applications that suppo
positioning devices need to
entrances and exits based

Answer:

Question 6

Question Type: DragDrop

Drag the short-range wireless IoT technologies on the left to their corresponding descriptions on the right.

IEEE 802.15.4-based wireless communicat
technology is a short-range, and low-powe
communication technology that supports s
and hybrid networking.

Its basic principle is to automatically identif
based on the transmission characteristics of
signals and space coupling (inductance or
electromagnetic coupling) or radar reflectio

With the emergence of IoT industries such
wearables, smart home, and Internet of Vel
short-range communication technologies ar
attracting more and more developers.

Wireless networking technology based on IE
802.11 is the most popular WLAN technolo

IEEE 802.15.4-based wire
technology is a short-rang
communication technology
and hybrid networking.

Its basic principle is to aut
based on the transmission
signals and space coupling
electromagnetic coupling)

With the emergence of IoT
wearables, smart home, ar
short-range communicatio
attracting more and more

Wireless networking techn
802.11 is the most popula

Answer:

Question 7

Question Type: MultipleChoice

Which of the following encapsulation formats are used for EAP termination in 802.1X authentication? (Select All that apply)

Options:

A- EAP-TLS

B- EAPoL

C- EAPoR

D- EAP

Answer:

B, C

Explanation:

According to the Huawei documents and resources, the encapsulation formats used for EAP termination in 802.1X authentication are as follows:

b)EAPoL: The client and access device exchange information using EAPoL packets across the LAN2.

c)EAPoR: The access device directly encapsulates the received EAP packets into RADIUS using EAP over RADIUS (EAPoR) packets2.

Therefore, B and C are the correct answers. Reference:2: https://support.huawei.com/enterprise/en/doc/EDOC1100086527

Question 8

Question Type: MultipleChoice

Which of the following statements about EAP relay and EAP termination are false? (Select All that apply)

Options:

A- In EAP termination mode, an access device encapsulates EAP packets sent by an 802. IX client Into RADIUS packets, without processing the data in the EAP packets.

B- In EAP relay mode, an access device extracts information from EAP packets, encapsulates the information into RADIUS packets, and sends the RADIUS packets to an authentication server.

C- In EAP termination mode, an access device extracts client authentication information from the EAP packets sent by a client and encapsulates the information using the standard RADIUS protocol. The access device supports only the EAP MD5-Challenge authentication method.

D- The EAP termination mode simplifies the processing on an access device and supports various authentication methods. However, this mode requires an authentication server to support EAP and have high processing capability.

Answer:

A, D

Explanation:

a) In EAP termination mode, an access device encapsulates EAP packets sent by an 802. IX client Into RADIUS packets, without processing the data in the EAP packets.This statement is false because in EAP termination mode, an access device extracts information from EAP packets, encapsulates the information into RADIUS packets, and sends the RADIUS packets to an authentication server2.

d) The EAP termination mode simplifies the processing on an access device and supports various authentication methods. However, this mode requires an authentication server to support EAP and have high processing capability.This statement is false because it describes the EAP relay mode, not the EAP termination mode2.

Therefore, A and D are the correct answers. Reference:2: https://support.huawei.com/enterprise/en/doc/EDOC1100086527

Question 9

Question Type: MultipleChoice

Huawei Agile Cloud Authentication (HACA) supports only IMaster NCE-Campus as the HACA server.

Options:

A- True

B- False

Answer:

B

Explanation:

According to the Huawei documents and resources, Huawei Agile Cloud Authentication (HACA) supports iMaster NCE-Campus as well as Agile Controller-Campus as the HACA server.HACA is an authentication method that allows users to access a network without entering user names or passwords3.Therefore, B is the correct answer. Reference:3: https://support.huawei.com/enterprise/en/doc/EDOC1100086527