Week 2 : Assignment 2

The due date for submitting this assignment has passed.

Due on 2024-08-07, 23:59 IST.

Assignment submitted on 2024-08-05, 21:09 IST

1) Based on functionality, MQTT is a _____ protocol.

    1 point

    a. Transport

    b. Data
    c. Semantic
    d. None of these

- ○ a.
- ◉ b.
- ○ c.
- ○ d.

Yes, the answer is correct.
Score: 1
Accepted Answers:
b.

2) MQTT is a _____ -based lightweight protocol for use in conjunction with TCP/IP protocol.

    a. Client-Server
    b. Publish-Subscribe
    c. Both (a) and (b)
    d. Neither (a) nor (b)

- ○ a.
- ◉ b.
- ○ c.
- ○ d.

Yes, the answer is correct.
Score: 1
Accepted Answers:
b.

3) A _____ controls the publish-subscribe messaging pattern in MQTT.

    a. Publishers
    b. Subscribers
    c. Broker
    d. None of these

- ○ a.
- ○ b.
- ◉ c.
- ○ d.

Yes, the answer is correct.
Score: 1
Accepted Answers:
c.

4)

State True or False.

Statement: "In MQTT, the Publishers are Lightweight Sensors."

    a. True
    b. False

◉ a.
○ b.

Yes, the answer is correct.
Score: 1
Accepted Answers:
a.

5)

Which of the following is MQTT designed for?

    a. Remote connections
    b. Limited bandwidth
    c. Small code footprint
    d. All of these

○ a.
○ b.
○ c.
◉ d.

Yes, the answer is correct.
Score: 1
Accepted Answers:
d.

6)

A _____ to which a client is subscribed is updated in the form of messages and distributed by the _____.

    a. Topic, Message Broker
    b. Message Broker, Topic
    c. Message Broker, Message Broker
    d. Topic, Topic

○ a.
○ b.
○ c.
○ d.

Yes, the answer is correct.
Score: 1
Accepted Answers:
a.

7)

There are _____ number of methods in MQTT protocol.

    a. 5
    b. 4
    c. 6
    d. None of these

○ a.
○ b.
○ c.
○ d.

Yes, the answer is correct.
Score: 1
Accepted Answers:
a.

8)

State True or False.

Statement: "Publish/Subscribe in MQTT is event-driven and enables messages to be pushed to clients."

  a. True
  b. False

○ a.

○ b.

Yes, the answer is correct.
Score: 1
Accepted Answers:
a.

9)

SMQTT stands for?

  a. Secure MQTT
  b. Safe MQTT
  c. Safety in MQTT
  d. Stored MQTT

○ a.

○ b.

○ c.

○ d.

Yes, the answer is correct.
Score: 1
Accepted Answers:
a.

10) Similar to HTTP, CoAP utilizes which of the following for operation?

      a. GET
      b. PUT
      c. PUSH
      d. All of these

○ a.

○ b.

○ c.

◉ d.

Yes, the answer is correct.
Score: 1
Accepted Answers:
d.

11) State True or False.

Statement: "The CoAP protocol is a Client-Server interaction-based protocol that is asynchronous over a datagram-oriented transport protocol such as UDP."

      a. True
      b. False

◉ a.

○ b.

Yes, the answer is correct.
Score: 1
Accepted Answers:
a.

12)

12) What is the full form of M2M in the context of IoT protocol?

    a. Message to Message
    b. Man to Message
    c. Message to Man
    d. None of these

○ a.
○ b.
○ c.
◉ d.

Yes, the answer is correct.
Score: 1
Accepted Answers:
d.

13) What is the basic unit of data in the AMQP protocol?

    a. Chunk
    b. Byte
    c. Slit
    d. None of these

○ a.
○ b.
○ c.
◉ d.

Yes, the answer is correct.
Score: 1
Accepted Answers:
d.

14) State True or False.

Statement: "The OSI model has 9 layers."

    a. True
    b. False

○ a.

◉ b.

Yes, the answer is correct.
Score: 1
Accepted Answers:
b.

15) The "Destination Address" in the IPv4 packet represents which of the following?

    a. The destination node address of the packet
    b. The intermediate hop in the network
    c. Both (a) and (b)
    d. Neither (a) nor (b)

◉ a.

○ b.

○ c.

○ d.

Yes, the answer is correct.
Score: 1
Accepted Answers:
a.