



QUIZ

Started on	Sunday, 3 March 2024, 12:35 PM
State	Finished
Completed on	Sunday, 3 March 2024, 12:42 PM
Time taken	6 mins 38 secs
Grade	15.00 out of 15.00 (100%)

Question 1

Correct

Mark 1.00 out of 1.00

The standard length of the MAC address is:

- ☒ a. 48 bits ✓
- ☐ b. 32 bits
- ☐ c. 16 bits
- ☐ d. 128 bits

Question 2

Correct

Mark 1.00 out of 1.00

Among the following layers, identify the one which is used for wireless connection in IoT devices:

- ☒ a. Datalink layer ✓
- ☐ b. Application layer
- ☐ c. Transport layer
- ☐ d. Network layer

Question 3

Correct

Mark 1.00 out of 1.00

MQTT stands for _____

- ☐ a. MetaQuery Telemetry Transport
- ☐ b. Multiple-Queue Query Telemetry Transport
- ☐ c. Multiple Query Telemetry Transport
- ☒ d. Message Query Telemetry Transport ✓

Question 4

Correct

Mark 1.00 out of 1.00

Identify the one which is not a networking device:

- ☐ a. Router
- ☐ b. Switch
- ☐ c. Bridge
- ☒ d. Traffic analyzer ✓

Question 5

Correct

Mark 1.00 out of 1.00

Identify the lightweight connection-oriented protocol:

- ☐ a. CoAP
- ☐ b. HTTP
- ☒ c. MQTT ✓
- ☐ d. IP

Question 6

Correct

Mark 1.00 out of 1.00

State whether true or false: An IoT network is a collection of interconnected devices.

- ☒ a. True ✓
- ☐ b. False

Question 7

Correct

Mark 1.00 out of 1.00

Identify the connection-oriented protocol used to link devices in IoT:

- ☐ a. Network
- ☐ b. HTTP
- ☒ c. TCP ✓
- ☐ d. UDP

Question 8

Correct

Mark 1.00 out of 1.00

Identify among the following which is not a fundamental component of the IoT system:

- ☐ a. User interface
- ☐ b. Sensors
- ☐ c. Connectivity and data processing
- ☒ d. Transformers ✓

Question 9

Correct

Mark 1.00 out of 1.00

Through API, _____ service portability is enabled.

- ☐ a. services
- ☒ b. systems ✓
- ☐ c. network
- ☐ d. device

Question 10

Correct

Mark 1.00 out of 1.00

DHCP uses which transport layer protocol:

- ☐ a. RSVP
- ☐ b. DCCP
- ☒ c. UDP ✓
- ☐ d. TCP

Question 11

Correct

Mark 1.00 out of 1.00

On what is MQTT based?

- ☒ a. Publish-subscribe architecture ✓
- ☐ b. None
- ☐ c. Distributed architecture

Question 12

Correct

Mark 1.00 out of 1.00

Arduino sketches are written in which programming language:

- ☒ a. C/C++ ✓
- ☐ b. Java
- ☐ c. Python
- ☐ d. JavaScript

Question 13

Correct

Mark 1.00 out of 1.00

Arduino Mega is:

- ☐ a. Protocol
- ☒ b. Hardware device ✓
- ☐ c. Software
- ☐ d. Network

Question 14

Correct

Mark 1.00 out of 1.00

L298P and L298N are:

- ☐ a. WiFi shields
- ☒ b. Motor shields ✓
- ☐ c. Ethernet shields
- ☐ d. Sensor shields

Question 15

Correct

Mark 1.00 out of 1.00

Which of the following IoT gateway must provide?

- ☐ a. Simple and fast installation
- ☐ b. Security with hardware
- ☒ c. Protocol abstraction ✓
- ☐ d. Data storage

