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Started on Saturday, 14 August 2021, 5:31 PM

State Finished

Completed on Saturday, 14 August 2021, 5:57 PM

Time taken 25 mins 37 secs

Grade **24.00** out of 30.00 (**80%**)

Question 1

Correct

Mark 1.00 out of 1.00

Which of the following is the example of a short-range wireless network?

- ☐ a. VPN
- ☐ b. Internet
- ☒ c. Wi-Fi
- ☐ d. WWW



Your answer is correct.

The correct answer is:

Wi-Fi

Question 2

Correct

Mark 1.00 out of 1.00

How many numbers of the element in the open IoT architecture?

- ☐ a. Six elements
- ☐ b. Five elements
- ☐ c. Four elements
- ☒ d. Seven elements



Your answer is correct.

The correct answer is:
Seven elements

Question 3

Correct

Mark 1.00 out of 1.00

Which of the following is the way in which an IoT device is associated with data?

- ☒ a. Cloud
- ☐ b. Internet
- ☐ c. Network
- ☐ d. Automata



Your answer is correct.

The correct answer is:
Cloud

Question 4

Correct

Mark 1.00 out of 1.00

Which of the following IoT evolution model belongs to Social media

- ☐ a. Internet of content
- ☒ b. Internet of people
- ☐ c. Internet of services
- ☐ d. Internet of services



Your answer is correct.

The correct answer is:
Internet of people

Question 5

Incorrect

Mark 0.00 out of 1.00

Which one is not element of IoT

- ☐ a. People
- ☐ b. Things
- ☒ c. Process
- ☐ d. Security



Your answer is incorrect.

The correct answer is:
Security

Question 6

Incorrect

Mark 0.00 out of 1.00

Which of the following factors Embedded system differ from the personal computers ?

- ☐ a. Memory
- ☐ b. Size
- ☐ c. All the above
- ☒ d. Processing power

✗

Your answer is incorrect.

The correct answer is:

All the above

Question 7

Incorrect

Mark 0.00 out of 1.00

Which of the following programming language is not used in embedded systems

- ☒ a. Python
- ☐ b. C++
- ☐ c. Java
- ☐ d. C#

✗

Your answer is incorrect.

The correct answer is:

C#

Question 8

Correct

Mark 1.00 out of 1.00

An IoT network is a collection of _____ devices

- ☐ a. Signal
- ☐ b. a. Network to Network
- ☐ c. Machine to Machine
- ☒ d. Interconnected



Your answer is correct.

The correct answer is:
Interconnected

Question 9

Correct

Mark 1.00 out of 1.00

Which one of the following is not an IoT device?

- ☐ a. Amazon echo voice controller
- ☐ b. Nest Smoke Alarm
- ☐ c. Google Home
- ☒ d. None of these



Your answer is correct.

The correct answer is:
None of these

Question 10

Correct

Mark 1.00 out of 1.00

What is the main purpose of WoT (Web of Things) in the IoT

- ☐ a. Increase the cost
- ☒ b. Improve the usability and interoperability
- ☐ c. Reduce the security
- ☐ d. Complex the development



Your answer is correct.

The correct answer is:

Improve the usability and interoperability

Question 11

Incorrect

Mark 0.00 out of 1.00

What topology used in zigbee communication?

- ☐ a. Ring topology
- ☐ b. Mesh Topology
- ☐ c. Bus Topology
- ☒ d. Star topology



Your answer is incorrect.

The correct answer is:

Mesh Topology

Question 12

Correct

Mark 1.00 out of 1.00

How many number of digital I/O pins used in Arduino IDE?

- ☐ a. 10
- ☒ b. 14
- ☐ c. 8
- ☐ d. 5



Your answer is correct.

The correct answer is:
14

Question 13

Correct

Mark 1.00 out of 1.00

Arduino IDE consists of 2 functions. What are they?

- ☒ a. Setup() and loop()
- ☐ b. Build() and loop()
- ☐ c. Setup() and build()
- ☐ d. Build() and loop()



Your answer is correct.

The correct answer is:
Setup() and loop()

Question 14

Correct

Mark 1.00 out of 1.00

Which of the following layers provides end-to-end communication in IoT?

- ☐ a. Session layer
- ☐ b. Data link layer
- ☒ c. Transport layer
- ☐ d. Logical layer



Your answer is correct.

The correct answer is:
Transport layer

Question 15

Correct

Mark 1.00 out of 1.00

What is the real example of a smart grid device in IoT?

- ☐ a. Mobile phone
- ☒ b. Smart Meters
- ☐ c. Television
- ☐ d. Smart Speaker



Your answer is correct.

The correct answer is:
Smart Meters

Question 16

Correct

Mark 1.00 out of 1.00

How power supply is done to RPi?

- ☐ a. Charger
- ☐ b. Adapter
- ☐ c. Internal battery
- ☒ d. USB connection



Your answer is correct.

The correct answer is:
USB connection

Question 17

Correct

Mark 1.00 out of 1.00

What bit processor is used in Pi 3

- ☐ a. 128-bit
- ☐ b. Both 64 and 32 bit
- ☐ c. 32-bit
- ☒ d. 64-bit



Your answer is correct.

The correct answer is:
64-bit

Question 18

Correct

Mark 1.00 out of 1.00

WiFi is not present in which of the following models

- ☐ a. Raspberry Pi Zero W
- ☐ b. Raspberry Pi3
- ☐ c. Raspberry Pi Zero WH
- ☒ d. Raspberry Pi Zero



Your answer is correct.

The correct answer is:
Raspberry Pi Zero

Question 19

Correct

Mark 1.00 out of 1.00

Which programming language is used to interface with GPIO port.?

- ☐ a. None of the above
- ☒ b. Python
- ☐ c. PERL
- ☐ d. PHP



Your answer is correct.

The correct answer is:
Python

Question 20

Correct

Mark 1.00 out of 1.00

Which programming language is used to interface with GPIO port.?

- ☐ a. PERL
- ☐ b. PHP
- ☐ c. None of the above
- ☒ d. Python



Your answer is correct.

The correct answer is:
Python

Question 21

Correct

Mark 1.00 out of 1.00

What is the Arduino UNO?

- ☐ a. Protocol
- ☐ b. network
- ☐ c. Software
- ☒ d. Hardware devices



Your answer is correct.

The correct answer is: Hardware devices

Question 22

Incorrect

Mark 0.00 out of 1.00

How many USB ports are present in Raspberry Pi 3?

- ☐ a. 3
- ☐ b. 2
- ☐ c. 5
- ☒ d. 4



Your answer is incorrect.

The correct answer is:

3

Question 23

Correct

Mark 1.00 out of 1.00

What is the use of ifconfig command in Raspberry pi

- ☐ a. None of the above
- ☐ b. To test storage device
- ☒ c. To know the ip address of Raspberry pi
- ☐ d. To test a host on the network is reachable



Your answer is correct.

The correct answer is:

To know the ip address of Raspberry pi

Question 24

Correct

Mark 1.00 out of 1.00

Which of the following frequencies is correct for the Galileo gen 2 board

- ☐ a. 250 MHz
- ☒ b. 400 MHz
- ☐ c. 450 MHz
- ☐ d. 300 MHz



Your answer is correct.

The correct answer is: 400 MHZ

Question 25

Incorrect

Mark 0.00 out of 1.00

Which command is used to update the libraries in raspberry pi?

- ☒ a. Upgrade
- ☐ b. Update
- ☐ c. Shutdown
- ☐ d. Reboot



Your answer is incorrect.

The correct answer is:

Update

Question 26

Correct

Mark 1.00 out of 1.00

MQTT protocol is:

- ☐ a. Based on both of the above
- ☒ b. Based on publish-subscribe architecture
- ☐ c. Based on client-server architecture
- ☐ d. Based on none of the above



Your answer is correct.

The correct answer is:

Based on publish-subscribe architecture

Question 27

Correct

Mark 1.00 out of 1.00

Which sensor can detect nearby objects?

- ☒ a. Proximity sensor
- ☐ b. Pressure sensor
- ☐ c. Humidity sensor
- ☐ d. Touch sensor



Your answer is correct.

The correct answer is: Proximity sensor

Question 28

Correct

Mark 1.00 out of 1.00

The following is not a example for actuator

- ☐ a. Electroactive polymer
- ☐ b. Electric motor
- ☒ c. Thermometer
- ☐ d. Digital micromirror device



Your answer is correct.

The correct answer is:
Thermometer

Question 29

Correct

Mark 1.00 out of 1.00

Full form of LPWA

- ☒ a. Low Power Wide Area Network
- ☐ b. Low Power Wide Access Network
- ☐ c. Low Private Wide Access Network
- ☐ d. Low Private Wide Area Network



Your answer is correct.

The correct answer is:
Low Power Wide Area Network

Question 30

Correct

Mark 1.00 out of 1.00

Which protocol is used for exchange of objects

- ☐ a. L2CAP layer
- ☐ b. RFCOM
- ☐ c. Link manager
- ☒ d. OBEX



Your answer is correct.

The correct answer is:

OBEX

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