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**Started on** Saturday, 9 October 2021, 6:16 PM

**State** Finished

**Completed on** Saturday, 9 October 2021, 6:53 PM

**Time taken** 37 mins 34 secs

**Grade** **28.00** out of 30.00 (**93%**)

**Question 1**

Correct

Mark 1.00 out of 1.00

DHT11 is \_\_\_\_\_ sensor.

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



Your answer is correct.

The correct answer is: Humidity sensor

**Question 2**

Correct

Mark 1.00 out of 1.00

What is ESP8266?

- ☐ a. USB cable
- ☒ b. WIFI module
- ☐ c. Board
- ☐ d. Sensor



Your answer is correct.

The correct answer is:  
WIFI module**Question 3**

Correct

Mark 1.00 out of 1.00

What is humidity sensor?

- ☒ a. Gyroscope
- ☐ b. Hygrometer
- ☐ c. Sundial
- ☐ d. Sesimoscope



Your answer is correct.

The correct answer is:  
Gyroscope

**Question 4**

Correct

Mark 1.00 out of 1.00

Units for Humidity sensor\_\_\_\_\_

- ☒ a. Dew/fost point or Parts Per Million or Relative Humidity
- ☐ b. Dew/fost point or Parts Per Million
- ☐ c. Relative Humidity or Parts Per Million
- ☐ d. Dew/fost point or Relative Humidity



Your answer is correct.

The correct answer is:

Dew/fost point or Parts Per Million or Relative Humidity

**Question 5**

Correct

Mark 1.00 out of 1.00

Dew point and Fost point are mainly used in which conditions?

- ☐ a. Pressure of gas
- ☒ b. Dryness of gas
- ☐ c. Moisture in gas
- ☐ d. Water vapor



Your answer is correct.

The correct answer is:

Dryness of gas

**Question 6**

Correct

Mark 1.00 out of 1.00

Units for Absolute Humidity is \_\_\_\_\_

- ☒ a. grams/m<sup>3</sup>
- ☐ b. % by volume
- ☐ c. PPMV
- ☐ d. %



Your answer is correct.

The correct answer is:  
grams/m<sup>3</sup>**Question 7**

Correct

Mark 1.00 out of 1.00

Relative humidity is a function of \_\_\_\_\_

- ☒ a. Ambient temperature and Water vapor pressure
- ☐ b. Water vapor pressure
- ☐ c. Ambient temperature
- ☐ d. Ambient temperature and Water vapor pressure



Your answer is correct.

The correct answer is:  
Ambient temperature and Water vapor pressure

**Question 8**

Correct

Mark 1.00 out of 1.00

What is the movement range of detection of PIR sensor?

- ☐ a. 5-6 meters
- ☐ b. 6-9 meters
- ☒ c. 6-7 meters
- ☐ d. 7-8 meters



Your answer is correct.

The correct answer is:

6-7 meters

**Question 9**

Correct

Mark 1.00 out of 1.00

Full form of GPIO pins

- ☐ a. Grade purpose input and output pin
- ☐ b. Grade point input and output pin
- ☒ c. General purpose input and output pin
- ☐ d. Grade point input and output pin



Your answer is correct.

The correct answer is:

General purpose input and output pin

**Question 10**

Correct

Mark 1.00 out of 1.00

Which interface can be used for air pollution monitoring?

- ☐ a. Serial Peripheral Interface
- ☐ b. I2 C Interface
- ☐ c. UART Interface
- ☒ d. Serial interface



Your answer is correct.

The correct answer is:

Serial interface

**Question 11**

Correct

Mark 1.00 out of 1.00

Which sensor is not belongs to gas sensor.

- ☒ a. Ultrasonic sensor
- ☐ b. MQ-3
- ☐ c. MQ-5
- ☐ d. MQ-135



Your answer is correct.

The correct answer is:

Ultrasonic sensor

**Question 12**

Correct

Mark 1.00 out of 1.00

Which sensor is LM35?

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



Your answer is correct.

The correct answer is:

Temperature sensor

**Question 13**

Correct

Mark 1.00 out of 1.00

IIOT stands for

- ☐ a. Information Internet of Things
- ☒ b. Industrial Internet of Things
- ☐ c. None of above
- ☐ d. Internet Industrial of Things



Your answer is correct.

The correct answer is:

Industrial Internet of Things

**Question 14**

Correct

Mark 1.00 out of 1.00

IOT devices are various types, for instance\_\_\_\_\_.

- ☐ a. Wearable sensors
- ☐ b. Smart watches.
- ☐ c. LED lights.
- ☒ d. All the above



Your answer is correct.

The correct answer is:

All the above



**Question 15**

Correct

Mark 1.00 out of 1.00

\_\_\_\_\_ protocol uses Universal Resource Identifiers (URIs) to identify HTTP resources.

- ☐ a. COAP
- ☒ b. HTTP
- ☐ c. WebSocket
- ☐ d. MQTT



Your answer is correct.

The correct answer is:  
HTTP

**Question 16**

Correct

Mark 1.00 out of 1.00

What does GPIO stand for?

- ☐ a. General Purpose Interested Old People
- ☒ b. General Purpose Input Output Pins
- ☐ c. General Purpose Input Output Processor
- ☐ d. General Purpose Inner Outer Propeller



Your answer is correct.

The correct answer is:  
General Purpose Input Output Pins

**Question 17**

Incorrect

Mark 0.00 out of 1.00

1. What license is Arduino distributed under?

- ☐ a. Proprietary
- ☒ b. LGPL or GPL license
- ☐ c. Proprietary with GNU GPL Ambient user interface
- ☐ d. Shareware



Your answer is incorrect.

The correct answer is:

Proprietary with GNU GPL Ambient user interface

**Question 18**

Correct

Mark 1.00 out of 1.00

1. What does IDE stand for?

- ☐ a. Internal Deep Escape
- ☒ b. Integrated Development Environment
- ☐ c. Internal Development Environment
- ☐ d. In Deep Environment



Your answer is correct.

The correct answer is:

Integrated Development Environment

**Question 19**

Incorrect

Mark 0.00 out of 1.00

1. A function is a series of programming statements that can be called by name. Which command is called once when the program starts:

- ☐ a. Input
- ☐ b. Setup
- ☐ c. Output
- ☒ d. Loop



Your answer is incorrect.

The correct answer is:

Setup

**Question 20**

Correct

Mark 1.00 out of 1.00

What are the distributions are supported by raspberry Pi?

- ☐ a. Debain
- ☐ b. Fedora Remix
- ☒ c. Arch Linux, Debain, and Fedora Remix
- ☐ d. Arch Linux



Your answer is correct.

The correct answer is:

Arch Linux, Debain, and Fedora Remix

**Question 21**

Correct

Mark 1.00 out of 1.00

How many USB ports are present in Raspberry Pi 3?

- ☒ a. 4
- ☐ b. 2
- ☐ c. 5
- ☐ d. 3



Your answer is correct.

The correct answer is:

4

**Question 22**

Correct

Mark 1.00 out of 1.00

1. Which is the software or a programming language used for controlling of Arduino?

- ☐ a. Java
- ☒ b. *Sketch*
- ☐ c. Assembly
- ☐ d. C



Your answer is correct.

The correct answer is:

*Sketch*

**Question 23**

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. Loop and Build
- ☐ d. None of these



Your answer is correct.

The correct answer is:

Setup and Loop

**Question 24**

Correct

Mark 1.00 out of 1.00

What is the use of the Vin pin present on some Arduino Boards?

- ☒ a. To power the Arduino Board
- ☐ b. To provide a 5V output
- ☐ c. To ground the Arduino Board
- ☐ d. Is used for plugging in 3V supply



Your answer is correct.

The correct answer is:

To power the Arduino Board

**Question 25**

Correct

Mark 1.00 out of 1.00

How many digital pins are there on the UNO board?

- ☐ a. 20
- ☐ b. 16
- ☒ c. 14
- ☐ d. 12



Your answer is correct.

The correct answer is:  
14

**Question 26**

Correct

Mark 1.00 out of 1.00

How many digital pins are there on the UNO board?

- ☐ a. 12
- ☒ b. 14
- ☐ c. 16
- ☐ d. 20



Your answer is correct.

The correct answer is:  
14

**Question 27**

Correct

Mark 1.00 out of 1.00

What is the default user in Debain on Raspberry Pi?

- ☐ a. User
- ☒ b. Pi
- ☐ c. Default
- ☐ d. Root



Your answer is correct.

The correct answer is:  
Pi

**Question 28**

Correct

Mark 1.00 out of 1.00

1. Which sensor measure the volumetric water content in soil

- ☐ a. Ultrasonic sensor
- ☐ b. PIR sensor
- ☐ c. DHT sensor
- ☒ d. Moisture sensor



Your answer is correct.

The correct answer is:  
Moisture sensor

**Question 29**

Correct

Mark 1.00 out of 1.00

Which of the following is an example for wireless communication interface?

- ☐ a. RS-232C
- ☐ b. Bluetooth
- ☐ c. Wi-Fi
- ☒ d. Both (B) and (C)



Your answer is correct.

The correct answer is:  
Both (B) and (C)

**Question 30**

Correct

Mark 1.00 out of 1.00

What is the speed of operation in Pi 3?

- ☐ a. 1GHz
- ☒ b. 1.2GHz
- ☐ c. 500MHz
- ☐ d. 900MHz



Your answer is correct.

The correct answer is:  
1.2GHz

**◀ Assignment II**

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Unit 1 PPT ▶









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