Bolt IoT Certification Test

Results for: Hemanth Reddy Narra

Title:	Online training on IoT and ML exam
Points:	76 out of 100
Percentage:	76%
Duration:	00:37:34
Date started:	Mon 3 Jan 2022 12:10
Date finished:	Mon 3 Jan 2022 12:48

Access code:
D8FF62E08519D180956E1D45A49050

Question:
Please enter the name of the Institute/College or place of work.
Please use the initials, if the name exceeds 25 characters.
For example -
"IIT, Kharagpur" if you are studying at IIT, Kharagpur
"XYZ Corporation" if you are working at XYZ Corporation

Response:
JNTUH Hyderabad

Question:
Please choose the duration to be shown on the certificate(in months)

Response:
2 Month

Question:
Please choose your designation. Choose "student" if you are currently studying or "employee" if you are currently working.

Response:
a student

Question:
By clicking the following checkbox, you confirm that the details you entered are correct to the best of your knowledge, and will not be allowed to be changed later.

Response:
I Agree

Feedback

Congratulations! You have passed the test and are eligible for the certificate.

Statistics by Category

✔ Correctly answered ✘ Incorrectly answered

All Questions │ **28** Correct │ **1** Partially Correct │ **9** Incorrect

Question 1 of 38

ForumQuestion

Paste the second link of the question that you have answered on Boltiot forum.
This question carries 4 marks.

Answer given:

https://forum.boltiot.com/t/putty-not-accepting-the-password/17199/3?u=hemanthnarra432

Words: 1

Points: 4 out of 4

Question 2 of 38

ForumQuestion

Paste one of the links of the question that you have answered on Boltiot forum.
This question carries 4 marks.

Answer given:

https://forum.boltiot.com/t/certification-exam-issue/17219/2?u=hemanthnarra432

Words: 1

Points: 4 out of 4

Question 3 of 38

project

Please paste a link to the project that you created on the Bolt Cloud here. This link is mandatory.
If you have created the optional video, you can add the link to the video here as well.
Remember, this question carries 22 marks and is subject to scrutiny.

Answer given:

https://projectsubmission.boltiot.com/?p=12668&preview=true

Words: 1

Points: 16 out of 22

Question 4 of 38

Module1-Easy

What is IoT?

You chose: **B.**

This question displayed answers in random order during the test.

    A. Interconnected network of Sensors

✔ **B.** Internet of Things

    C. Connected Things using wired technologies

    D. Sentient robot army which will take over mankind

Points: 2 out of 2

Question 5 of 38

Module1-Easy

How many Analog input pins and Digital I/O pins are there on Bolt?

You chose: **C.**

This question displayed answers in random order during the test.

    A. 1 Analog and 3 Digital

    B. 3 Analog and 2 Digital

✔ **C.** 1 Analog and 5 Digital

    D. 0 Analog and 5 Digital

    E. None of the Above

Points: 2 out of 2

Question 6 of 38

Module1-Hard

What is the full form of WSN?

You chose: **C.**

This question displayed answers in random order during the test.

    A. Wireless Sensation Neuron

    B. Wired Sensory Network

✔ **C.** Wireless Sensor Network

    D. Wireless Sensory Network

Points: 2 out of 2

Question 7 of 38

Module1-Hard

What is the range of the output values of the ADC on the Bolt module when it is connected to an output sensor?

You chose: **A.**

This question displayed answers in random order during the test.

✗ **A.** 0 - 3.3

B. 0 - 5

C. 0 - 1023

D. 0 - 1024

Points: 0 out of 2

Question 8 of 38

Module1-Medium

Which communication protocol is possible on Bolt?

You chose: **D.**

This question displayed answers in random order during the test.

A. UART

B. SPI

C. I2C

✗ **D.** Modbus

Points: 0 out of 2

Question 9 of 38

Module1-Medium

What is the minimum value that the Analog to Digital Converter on the Bolt can measure?

You chose: **B.**

This question displayed answers in random order during the test.

A. 0.09V

✗ **B.** 0.009V

C. 0.0009V

D. 9V

Points: 0 out of 2

Question 10 of 38

Module1-Medium

What is the command to set the chart type to a bar graph

You chose: **A.**

This question displayed answers in random order during the test.

✔ **A.** setChartType('barGraph');

B. setChartStyle('barGraph');

C. setChartType('Bargraph');

D. setGraphType('BarGraph')

Points: 2 out of 2

Question 11 of 38

Module2-Easy

Which HTML tags are used to declare JS code inside an HTML document?

You chose: **C.**

This question displayed answers in random order during the test.

A.
```
<head></head>
```

B.

```
<image><\image>
```

✔ **C.**

```
<script><\script>
```

D.

```
<title><\title>
```

Points: 2 out of 2

Question 12 of 38

Module2-Easy

What is the full form of LDR?

You chose: **C.**

This question displayed answers in random order during the test.

    A. Light Divergent Resistor

    B. Luminosity Diffraction Reactor

✔ **C.** Light Dependent Resistor

    D. Locational Detection Reactor

Points: 2 out of 2

Question 13 of 38

Module2-Hard

Which of the following tag is used to make the text as bold?

You chose: **B.**

This question displayed answers in random order during the test.

A. <bold>

✓ B. <b>

C. <big>

D. <large>

E. None of the Above

Points: 2 out of 2

Question 14 of 38

Module2-Hard

What is the output of the following JS code?

```
var a = 25;
var b = 2.0;
function printValue(input1, input2) {
console.log("This is input 1: " + input1 + " this is " + input2 + " input2");
}
printValue(a, b);
```

You chose: **A.**

This question displayed answers in random order during the test.

✓ A. This is input 1: 25 this is 2.0 input2

B. This is input 1: 2.0 this is input2 25

C. This is input 1: 25 this is input2 2.0

D. This is input 1: 2.0 this is 25 input2

Points: 2 out of 2

Question 15 of 38

Module2-Medium

The three pin IC on the top side of the Bolt Module is a:

You chose: **A.**

This question displayed answers in random order during the test.

✔ **A.** Power Regulator to step down from 5V (USB) to 3.3V

   B. A transistor to switch on the ESP8266 module

   C. An onboard temperature and humidity sensor

   D. A step up converter to convert 3.3V to 5V for USB

Points: 2 out of 2

Question 16 of 38

Module2-Medium

What is the correct HTML code to change the text colour to white?

You chose: **D.**

This question displayed answers in random order during the test.

   A. <body color='#ffffff'>

   B. <body text='#FFFFFF'>

   C. <body bgcolor='#FFFFFF'>

✘ **D.** <body text-color='#FFFFFF'>

   E. None of the Above

Points: 0 out of 2

Question 17 of 38

Module2-Medium

Which built-in JS function is useful for testing and debugging JS code?

You chose: **C.**

This question displayed answers in random order during the test.

    A. console.log()

    B. document.write()

✗ **C.** document.getElementById()

    D. None of the Above

Points: 0 out of 2

Question 18 of 38

Module3-Easy

What is the hex code for Black colour?

You chose: **D.**

This question displayed answers in random order during the test.

    A. #Black

    B. document.write()

    C. #FFFFFF

✓ **D.** #000000

Points: 2 out of 2

Question 19 of 38

Module3-Easy

Which of the following options will add a background colour as yellow in HTML?

You chose: **C.**

This question displayed answers in random order during the test.

A. <body background="yellow">

B. <background>yellow<\background>

✔ C. <body style="background-color: yellow;">

D. <body style="backgroundcolor: yellow">

Points: 2 out of 2

Question 20 of 38

Module3-Hard

Which of the following is an incorrect representation of HTML tags?

You chose: **B.**

This question displayed answers in random order during the test.

A.

```
<body></body>
```

✔ B.

```
img></img>
```

C.

```
<html></html>
```

D.

```
<a></a>
```

Points: 2 out of 2

Question 21 of 38

Module3-Hard

Which of the following tag is used to insert a button?

You chose: **C.**

This question displayed answers in random order during the test.

    A. <click>

    B. <input type="click">

✔ **C.** <button>

    D. <press>

Points: 2 out of 2

Question 22 of 38

Module3-Medium

Where do all items for the same website need to be saved?

You chose: **A.**

This question displayed answers in random order during the test.

✔ **A.** In the same folder

    B. Any where is fine

    C. In different folders

    D. In the same text file

Points: 2 out of 2

Question 23 of 38

Module3-Medium

What does HTML stand for?

You chose: **A.**

This question displayed answers in random order during the test.

✔ **A.** Hyper Text Markup Language

B. Hyperlink and Text Markup Language

C. Home Tool Markup Language

D. Home Telephone Markup Language

Points: 2 out of 2

Question 24 of 38

Module3-Medium

Which of the following is the correct syntax to import random module of python?

You chose: **A.**

This question displayed answers in random order during the test.

✔ **A.** import random

B. extend random

C. copy random

D. save random

E. None of the Above

Points: 2 out of 2

Question 25 of 38

Module4-Easy

Which of the following credential is required for Twitter app?

You chose: **B.**

This question displayed answers in random order during the test.

A. entry_key

   ✔ **B.** access_token

      C. entry_token

      D. success_token

Points: 2 out of 2

Question 26 of 38

Module4-Easy

Which python library is used to post tweets on Twitter?

You chose: **C.**

This question displayed answers in random order during the test.

      A. tweety

      B. json

   ✔ **C.** tweepy

      D. boltiot

      E. null

Points: 2 out of 2

Question 27 of 38

Module4-Hard

Which Linux command is used to remove/delete files?

You chose: **A.**

This question displayed answers in random order during the test.

   ✔ **A.** rm

      B. rmdir

C. remove file

D. delete file

Points: 2 out of 2

Question 28 of 38

Module4-Hard

Which of the following functions is used to restart the Bolt device in Bolt python library?

You chose: **C.**

This question displayed answers in random order during the test.

A. reboot()

B. boltreboot()

✔ **C.** restart()

D. None of the Above

Points: 2 out of 2

Question 29 of 38

Module4-Medium

VPS stands for?

You chose: **A.**

This question displayed answers in random order during the test.

✘ **A.** Virtual Private Service

B. Virtual Pinging Service

C. Virtual Public Server

D. Virtual Private Server

Points: 0 out of 2

Question 30 of 38

Module4-Medium

Which of the following can the LM35 sensor not measure correctly?

You chose: **B.**

This question displayed answers in random order during the test.

    A. 20 Degree Celcius

✓ **B.** 170 Degree Celcius

    C. 5 Degree Celcius

    D. 60 Degree Celcius

Points: 2 out of 2

Question 31 of 38

Module4-Medium

How many parameters does analogRead() function take?

You chose: **C.**

This question displayed answers in random order during the test.

    A. 2

    B. 3

✓ **C.** 1

    D. 4

Points: 2 out of 2

Question 32 of 38

Module5-Easy

An Anomaly is?

You chose: **D.**

This question displayed answers in random order during the test.

    A. The standard, normal or expected.

    B. Something which is derived from the standard, normal or expected.

    C. Something which mimics the standard, normal or expected.

✔ **D.** Something which deviates from the standard, normal or expected

Points: 2 out of 2

Question 33 of 38

Module5-Easy

Google Nest uses machine learning to?

You chose: **D.**

This question displayed answers in random order during the test.

    A. Predict what environment you like to live in best

    B. Predict when you are hungry and order food.

    C. Find out whether someone is making a fraud transaction.

✖ **D.** Predict what is the best light intensity to set for you.

Points: 0 out of 2

Question 34 of 38

Module5-Hard

The number of polynomial coefficients in the following polynomial equation data(t) = 3*t^4 - 1*t^2 + 2 is ?

You chose: **B.**

This question displayed answers in random order during the test.

    A. 5

✔ **B.** 4

    C. 3

    D. 0

Points: 2 out of 2

Question 35 of 38

Module5-Hard

Google trained its machine learning algorithm by using the which of the following data?

You chose: **C.**

This question displayed answers in random order during the test.

    A. The temperature at which most people use their services.

    B. The computer that people use while using their services.

✔ **C.** The online behavior of people who use their services.

    D. The offline behavior of people who use their services.

Points: 2 out of 2

Question 36 of 38

Module5-Medium

The polynomial equation which best fits our data set is generated by?

You chose: **C.**

This question displayed answers in random order during the test.

   A. Setting random coefficients to the polynomial equation.

   B. Setting alternating coefficients to the polynomial equation

✗ C. Tweaking the coefficients of the polynomial equation, to best fit our data

   D. None of the above

Points: 0 out of 2

Question 37 of 38

Module5-Medium

While calculating Z score, Mn equals?

You chose: **B.**

This question displayed answers in random order during the test.

   A. The average of the last r values

✗ B. The square root of the variance in the last 4 values

   C. The Z score added to the values

   D. None of the Above

Points: 0 out of 2

Question 38 of 38

Module5-Medium

In Z-score analysis, as you increase C, the threshold values:

You chose: **A.**

This question displayed answers in random order during the test.

✔ **A.** Move further away from your data.

B. Move closer to your data

C. Don't change at all

D. Change in a random manner

Points: 2 out of 2