



Unit 8 - Week 6

Register for
Certification exam

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portal

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- Lecture 26:
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Assignment 6

The due date for submitting this assignment has passed.

Due on 2019-03-13, 23:59 IST

Assignment submitted on 2019-03-13, 22:52 IST

1) `d = {1:'item','k':2}` data type in python represents:

1 point

- a. Dictionary
- b. Array
- c. String
- d. List

- ☒ a
☐ b
☐ c
☐ d

Yes, the answer is correct.

Score: 1

Accepted Answers:

a

2) The output of the following code snippet is:

1 point

```
from math import pi
print(pi)
```

- a. 3.14
- b. 2.73
- c. pi
- d. None of these

- ☒ a
☐ b
☐ c
☐ d

Yes, the answer is correct.

Score: 1

Accepted Answers:

a

3) The following python snippet does the following task:

```
file=open('data.txt', 'r')
```

- a. Opens a file (data.txt) in write mode
- b. Opens a file (data.txt) in read mode
- c. Opens a file (data.txt) in append mode
- d. None of these

- ☐ a
- ☒ b
- ☐ c
- ☐ d

Yes, the answer is correct.

Score: 1

Accepted Answers:

b

4) The Raspberry Pi3 has how many GPIO pins?

- a. 20
- b. 30
- c. 40
- d. 50

- ☐ a
- ☐ b
- ☒ c
- ☐ d

Yes, the answer is correct.

Score: 1

Accepted Answers:

c

5) The following python snippet does the following task:

```
file=open('data.txt', 'r+')
```

- a. Opens a file (data.txt) in write mode
- b. Opens a file (data.txt) in read mode
- c. Opens a file (data.txt) in append mode
- d. Both a and b

- ☐ a
- ☐ b
- ☐ c
- ☒ d

Yes, the answer is correct.

Score: 1

Accepted Answers:

d

6) The raspberry pi zero has the following core specification associated with it?

- a. ATMEGA32
- b. PIC16
- c. ARM-11
- d. Quad Cortex A53

- ☐ a

1 point



1 point

1 point

1 point

- ☐ b
- ☒ c
- ☐ d

Yes, the answer is correct.

Score: 1

Accepted Answers:

c

7) The command `raspistill -o image.jpg` on a Raspberry Pi terminal:

- a. Captures an image
- b. Stores an image from any camera
- c. Reads an image
- d. Captures and stores an image using the raspberry pi camera

- ☐ a
- ☐ b
- ☐ c
- ☒ d

Yes, the answer is correct.

Score: 1

Accepted Answers:

d

8) What are the types of GPIO pin modes in Raspberry pi 2/3?

- a. Board.
- b. BCM.
- c. Both a and b.
- d. None of these

- ☐ a
- ☐ b
- ☒ c
- ☐ d

Yes, the answer is correct.

Score: 1

Accepted Answers:

c

9) What is the functionality of the following python code?

```
import time
i = 0;
def function_a(k):
    i+=k
    time.sleep(5)
    print i
```

`function_a(1)`

- a. Prints 1 on the console after 5 seconds
- b. Prints 5 on the console after 5 milliseconds
- c. Prints 1 on the console after 5 seconds
- d. Prints 5 on the console after 1 second.

- ☐ a

1 point



1 point

0 points

- ☐ b
- ☒ c
- ☐ d

No, the answer is incorrect.

Score: 0

Accepted Answers:

a

10) Which one is correct for the nested controlling statement in python?

- a. elseif
- b. elif
- c. ifwhile
- d. none

- ☐ a
- ☒ b
- ☐ c
- ☐ d

Yes, the answer is correct.

Score: 1

Accepted Answers:

b

11) Which of the following is mutable object in python?

- a. Tuple
- b. Bool
- c. Int
- d. List

- ☐ a
- ☐ b
- ☐ c
- ☒ d

Yes, the answer is correct.

Score: 1

Accepted Answers:

d

12) Internet of Things refers to:

- a. Interconnection of devices in a network
- b. Exchange of data between devices in a network
- c. An ecosystem of devices, accessible through internet
- d. All of the above

- ☐ a
- ☐ b
- ☐ c
- ☒ d

Yes, the answer is correct.

Score: 1

Accepted Answers:

d

1 point



1 point

1 point

13) What is the maximum peripheral current draw allowed in Raspberry pi 3?

1 point

- a. 1200mA
- b. 700mA
- c. 500mA
- d. 100mA

- ☒ a
- ☐ b
- ☐ c
- ☐ d

Yes, the answer is correct.

Score: 1

Accepted Answers:

a

14) The raspberry pi 3 has :

1 point

- a. 400MHz video core IV
- b. 250 MHz video core IV
- c. 100 MHz video core IV
- d. No video core

- ☒ a
- ☐ b
- ☐ c
- ☐ d

Yes, the answer is correct.

Score: 1

Accepted Answers:

a

15) A raspberry pi has:

1 point

- a. An inbuilt OS on the board itself.
- b. An OS on a memory card.
- c. Both a and b
- d. None of these

- ☐ a
- ☒ b
- ☐ c
- ☐ d

Yes, the answer is correct.

Score: 1

Accepted Answers:

b



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