Unit 2 - Week 0

Register for Certification exam

Course outline

How to access the portal

Week 0

Quiz : Assignment 0

Week 1

Week 2

Week 3

Week 4

Week 5

Week 6

Week 7

Week 8

Week 9

Week 10

Week 11

Week 12

DOWNLOAD VIDEOS

Assignment Solution

Text Translation

Assignment 0

The due date for submitting this assignment has passed. Due on 2019-02-04, 23:59 IST

Assignment submitted on 2019-01-24, 16:52 IST

1) The paging operation of a Bluetooth device is used for: *1 point*

a. Forming a connection between two Bluetooth devices.
b. Trying to discover other devices near it.
c. Entering a low-power sleep mode.
d. All of these

- (•) a.
- ( ) b.
- ( ) c.
- ( ) d.

Yes, the answer is correct.
Score: 1

Accepted Answers:
a.

2) A DC motor is a type of : *1 point*

a. Pneumatic actuators
b. Hydraulic actuators
c. Electrical actuators
d. Mechanical actuator

- ( ) a.
- ( ) b.
- (•) c.
- ( ) d.

Yes, the answer is correct.
Score: 1

Accepted Answers:
c.

3) In SDN-based sensor network, one can manage: *1 point*

a. Sensor nodes
b. Sensing delay
c. Network connectivity
d. All of the above

- ( ) a.
- ( ) b.
- ( ) c.
- (•) d.

Yes, the answer is correct.
Score: 1

Accepted Answers:
d.

4) *1 point*

Internet of Things (IoT) can be integrated with which of these separate domains:

a. Cloud-based storage and computing.
b. Cyber Physical Systems.
c. Big-data networks.
d. All of these.

- a.
- b.
- c.
- d.

Yes, the answer is correct.
Score: 1

Accepted Answers:
d.

5) *1 point*

In the current market scenario, IoT captures the maximum share in which one of these?

a. Industry
b. Security
c. Healthcare
d. Home automation

- a.
- b.
- c.
- d.

Yes, the answer is correct.
Score: 1

Accepted Answers:
a.

6) *1 point*

The main function of the IoT Gateway can be summarized as:

a. Forwarding packets between LAN and WAN on the IP layer.
b. Performs application layer functions between IoT nodes and other entities.
c. Enables local, short-range communication between IoT devices.
d. All of these

- a.
- b.
- c.
- d.

Yes, the answer is correct.
Score: 1

Accepted Answers:
a.

7) *1 point*

IIoT stands for:

a. International Internet of Things
b. Instrumentation Internet of Things
c. Industrial Internet of Things
d. None of the above

- a.
- b.
- c.

d.

Yes, the answer is correct.
Score: 1

Accepted Answers:
c.

8) MANETs are: *1 point*

a. Infrastructure oriented
b. Infrastructure less
c. Partially infrastructure oriented
d. Partially infrastructure less

a.
b.
c.
d.

Yes, the answer is correct.
Score: 1

Accepted Answers:
b.

9) The approximation of the measured property sensed by a digital sensor induces: *1 point*

a. Quantization error
b. Hysteresis error
c. Aliasing error
d. All of these

a.
b.
c.
d.

Yes, the answer is correct.
Score: 1

Accepted Answers:
a.

10) Terms 'piconet' and 'scatternet' are associated with: *1 point*

a. Wi-Fi
b. ZigBee
c. Bluetooth
d. LAN

a.
b.
c.
d.

Yes, the answer is correct.
Score: 1

Accepted Answers:
c.

11) Nested loop in Arduino is: *1 point*

a. Loops in the same function
b. Loop inside a Loop
c. Infinte loop
d. Not supported

a.
b.
c.
d.

Yes, the answer is correct.
Score: 1

Accepted Answers:
b.

12) In cloud computing, IaaS is: *1 point*

a. Industry-as-a-service
b. Instrument-as-a-service
c. Internet-as-a-service
d. Infrastructure-as-a-service

- a.
- b.
- c.
- d.

Yes, the answer is correct.
Score: 1

Accepted Answers:
d.

13) Fog computing is very good for *1 point*

a. Handling time-sensitive data
b. Providing the huge storage space
c. Providing high processing power
d. None of these

- a.
- b.
- c.
- d.

Yes, the answer is correct.
Score: 1

Accepted Answers:
a.

14) Which of these is NOT related to IoT scalability? *1 point*

a. Flexibility within Internet.
b. Large scale deployment.
c. Real-time connectivity of billions of devices.
d. Range of each sensor node.

- a.
- b.
- c.
- d.

Yes, the answer is correct.
Score: 1

Accepted Answers:
d.

15) IPv6 addresses consists of *1 point*

a. 48bits
b. 64bits
c. 96bits
d. 128bits

- a.
- b.
- c.
- d.

Yes, the answer is correct.
Score: 1

Accepted Answers:
d.

End