

## Week 1 : Assignment 1

The due date for submitting this assignment has passed.

**Due on 2024-08-07, 23:59 IST.**

Assignment submitted on 2024-08-05, 20:59 IST

1)

IoT stands for \_\_\_\_\_.

1 point

- a. Internet of Tasks
- b. Internet of Tuples
- c. Internet of Things
- d. None of these

- ☐ a.
- ☐ b.
- ☒ c.
- ☐ d.

Yes, the answer is correct.

Score: 1

Accepted Answers:

c.

2)

Which of the following technologies have unified and has resulted in the evolution of IoT?

- a. High-power embedded systems
- b. Super Computing
- c. Engine Technology
- d. None of these

- ☐ a.
- ☐ b.
- ☐ c.
- ☒ d.

Yes, the answer is correct.

Score: 1

Accepted Answers:

d.

3)

Which of the following are the enablers of IoT?

- (a) RFID
- (b) Nanotechnology
- (c) Sensors
- (d) All of these

- ☐ a.
- ☐ b.
- ☐ c.
- ☒ d.

Yes, the answer is correct.

Score: 1

Accepted Answers:

d.

4) Which of the following is NOT a function of an IoT Gateway?

- a. Connects the IoT LAN to a WAN
- b. Can implement several LAN and WAN
- c. Both (a) and (b)
- d. Neither (a) Nor (b)

- ☐ a.
- ☐ b.
- ☐ c.
- ☒ d.

Yes, the answer is correct.

Score: 1

Accepted Answers:

d.

5) State whether the following statement is True or False.

**Statement:** "The ITU vision is approaching reality as the present-day networked devices have outnumbered humans on earth."

- a. True
- b. False

- ☒ a.
- ☐ b.

Yes, the answer is correct.

Score: 1

Accepted Answers:

a.

6) State True or False.

**Statement:** "In Multi-homing, a node/network is connected to multiple networks for improved reliability.

- a. True
- b. False

- ☐ a.
- ☒ b.

No, the answer is incorrect.

Score: 0

Accepted Answers:

a.

7) Which of the following are the features of an IoT Gateway?

- a. A router connecting IoT LAN and WAN to Internet
- b. Can implement several LAN and WAN
- c. Forwards packets between LAN and WAN
- d. All of these

- ☐ a.
- ☐ b.
- ☐ c.
- ☒ d.

Yes, the answer is correct.

Score: 1

Accepted Answers:

d.

8) State True or False.

**Statement:** "IoT Proxy performs active application layer functions between IoT nodes and other entities."

- a. True
- b. False

- ☒ a.  
☐ b.

Yes, the answer is correct.

Score: 1

Accepted Answers:

a.

9) The Gateway has a \_\_\_\_\_ address prefix, which can be used to identify them globally.

- a. Non-unique
- b. Unique
- c. Both (a) and (b)
- d. Neither (a) nor (b)

- ☐ a.  
☒ b.  
☐ c.  
☐ d.

Yes, the answer is correct.

Score: 1

Accepted Answers:

b.

10) The IPv4 notation uses \_\_\_\_\_ number of bits to represent an address.

- a. 33
- b. 32
- c. Both (a) and (b)
- d. Neither (a) nor (b)

- ☐ a.
- ☒ b.
- ☐ c.
- ☐ d.

Yes, the answer is correct.

Score: 1

Accepted Answers:

b.

11) The "Destination Address" field in the IPv4 header is of \_\_\_\_\_ bits in length.

- a. 32
- b. 64
- c. 128
- d. None of these

- ☒ a.
- ☐ b.
- ☐ c.
- ☐ d.

Yes, the answer is correct.

Score: 1

Accepted Answers:

a.

12) We can sense temperature using \_\_\_\_\_?

- a. An actuator
- b. A Transducer
- c. A processor
- d. None of these

- ☐ a.
- ☒ b.
- ☐ c.
- ☐ d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

d.

13) State True or False.

**Statement:** "A sensor is not only sensitive to the measured property, but it also influences the measured property."

- a. True
- b. False

- ☐ a.
- ☒ b.

Yes, the answer is correct.

Score: 1

Accepted Answers:

b.

14) Based on the output, sensors are classified as \_\_\_\_\_.

- a. Scalar and Vector
- b. Analog and Digital
- c. Both (a) and (b)
- d. Neither (a) nor (b)

- ☐ a.
- ☐ b.
- ☒ c.
- ☐ d.

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
b.

15) What is the full form of SMP in the context of IoT actuators?

- a. Shape Master Polymers
- b. Switch Mode Power
- c. Sensor Making Polymer
- d. None of these

- ☒ a.
- ☐ b.
- ☐ c.
- ☐ d.

No, the answer is incorrect.  
Score: 0