

Course outline

About NPTEL

How does an NPTEL online course work?

Week 0

Week 1

- Lecture 1: Introduction to IoT- Part-I
- Lecture 2: Introduction to IoT- Part-II
- Lecture 3: Sensing
- Lecture 4: Actuation
- Lecture 5: Basics of IoT Networking- Part- I
- Week 1 : Lecture materials
- Quiz: Week 01: Assignment 01

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Week 01: Assignment 01

The due date for submitting this assignment has passed.

Due on 2025-08-06, 23:59 IST.

Assignment submitted on 2025-07-28, 18:33 IST

1) Which of the following is/are not a thing as per IoT?1 point

- a. Fan

b. Light

c. Refrigerator

d. None of the these

- ☐ (a)

☐ (b)

☐ (c)

☒ (d)

Yes, the answer is correct.  
Score: 1  
Accepted Answers:  
(d)

2) State true or false.1 point

Statement: The things in IoT consist of embedded systems.

- a. True

b. False

- ☒ (a)

☐ (b)

Yes, the answer is correct.  
Score: 1  
Accepted Answers:  
(a)

3) State whether the following statement is True or False.1 point

Statement: IoT is one of the technologies that enable smart farms.

- a. True

b. False

- ☒ (a)

☐ (b)

Yes, the answer is correct.  
Score: 1  
Accepted Answers:  
(a)

4) State whether the following statement is True or False.1 point

Statement: In M2M, it is mandatory that the interactions between the machines and devices happen through a cloud computing infrastructure.

- a. True

b. False

- ☐ (a)

☒ (b)

Yes, the answer is correct.  
Score: 1  
Accepted Answers:  
(b)

5) Sometimes, when there is a need for the nodes to communicate directly to the Internet, \_\_\_\_\_ can be used.1 point

- a. Sensors

b. Actuators

c. Tunneling

d. None of these

- ☐ (a)

☐ (b)

☒ (c)

☐ (d)

Yes, the answer is correct.  
Score: 1  
Accepted Answers:  
(c)

6) State whether the following statement is true or false.1 point

Statement: In multi-homing a node/network is connected to only two networks for improved reliability.

- a. True

b. False

- ☐ (a)

☒ (b)

Yes, the answer is correct.  
Score: 1  
Accepted Answers:  
(b)

7) Which of the following is/are not enablers of IoT?1 point

- a. Advancement in gene sequencing

b. Nanotechnology

c. Sensors

d. RFID

- ☒ (a)

☐ (b)

☐ (c)

☐ (d)

Yes, the answer is correct.  
Score: 1  
Accepted Answers:  
(a)

8) State whether the following statement is True or False.1 point

Statement: The decreasing number of devices in IoT is expected to result in an address crunch.

- a. True

b. False

- ☐ (a)

☒ (b)

Yes, the answer is correct.  
Score: 1  
Accepted Answers:  
(b)

9) Why IoT has become so popular?1 point

- a. It can provide advanced level of services to the society

b. It can help reduce human effort

c. It can potentially make processes more efficient

d. All of these

- ☐ (a)

☐ (b)

☐ (c)

☒ (d)

Yes, the answer is correct.  
Score: 1  
Accepted Answers:  
(d)

10) State whether the following statement is true or false.1 point

The resolution of a sensor is the maximum change it can detect in the quantity that it is measuring.

- a. False

b. True

- ☒ (a)

☐ (b)

Yes, the answer is correct.  
Score: 1  
Accepted Answers:  
(a)

11) Transducer is a \_\_\_\_\_ term and includes \_\_\_\_\_.1 point

- a. special, only sensors

b. special, only actuators

c. collective, both sensors and actuators

d. None of these

- ☐ (a)

☐ (b)

☒ (c)

☐ (d)

Yes, the answer is correct.  
Score: 1  
Accepted Answers:  
(c)

12) Which of the following is/are feature/features of sensors?1 point

- a. It is only sensitive to the measured property.

b. It acts on the surrounding environment.

c. Both (a) and (b)

d. None of these

- ☒ (a)

☐ (b)

☐ (c)

☐ (d)

Yes, the answer is correct.  
Score: 1  
Accepted Answers:  
(a)

13) Which of the following technologies have unified and has resulted in the evolution of IoT?1 point

- a. Low-power embedded systems

b. Cloud Computing

c. Machine Learning

d. All of these

- ☐ (a)

☐ (b)

☐ (c)

☒ (d)

Yes, the answer is correct.  
Score: 1  
Accepted Answers:  
(d)

14) What is the full form of IoT?1 point

- a. Internet of Tasks

b. Internet of Things

c. Internet of Tracks

d. None of these

- ☐ (a)

☒ (b)

☐ (c)

☐ (d)

Yes, the answer is correct.  
Score: 1  
Accepted Answers:  
(b)

15) A sensor node is not made up of which of the following?1 point

- a. Sensor/Sensors

b. A processing unit

c. A power unit

d. None of these

- ☐ (a)

☐ (b)

☐ (c)

☒ (d)

Yes, the answer is correct.  
Score: 1  
Accepted Answers:  
(d)