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<https://swayam.gov.in>https://swayam.gov.in/nc_details/NPTEL

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NPTEL (<https://swayam.gov.in/explorer?ncCode=NPTEL>) » Introduction to Internet of Things (course)

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Course outline

[About NPTEL \(\)](#)[How does an NPTEL online course work? \(\)](#)[Week 0 \(\)](#)[Week 1 \(\)](#)[Week 2 \(\)](#)[Week 3 \(\)](#)[Week 4 \(\)](#)[Week 5 \(\)](#)[Week 6 \(\)](#)[Week 7 \(\)](#)[Week 8 \(\)](#)[Week 9 \(\)](#)

Week 10 : Assignment 10

The due date for submitting this assignment has passed.

Due on 2024-10-02, 23:59 IST.

Assignment submitted on 2024-09-25, 15:09 IST

1) Smart city is an _____ system. 1 point

- a. local
- b. rural
- c. home
- d. urban

- ☐ a.
- ☐ b.
- ☐ c.
- ☒ d.

Yes, the answer is correct.

Score: 1

Accepted Answers:

d.

2) 1 point

Week 10 ()

☐ Lecture 46 :
Smart Cities
and Smart
Homes- I
(unit?
unit=101&less
on=102)

☐ Lecture 47 :
Smart Cities
and Smart
Homes- II
(unit?
unit=101&less
on=103)

☐ Lecture 48 :
Smart Cities
and Smart
Homes- III
(unit?
unit=101&less
on=104)

☐ Lecture 49 :
Connected
Vehicles- I
(unit?
unit=101&less
on=105)
Lecture 50 :

☐ Connected
Vehicles- II
(unit?
unit=101&less
on=106)
Lecture
material of

☐ Week 10
(unit?
unit=101&less
on=107)
Quiz: Week
10 :
Assignment
10
(assessment?
name=296)

☐ Week 10
Feedback
Form (unit?

Which of the following is an area of focus in smart parking lots?

- a. Auto-routing of vehicles
- b. Auto-charging of vehicles
- c. Detection of slots in parking lots
- d. All of these

- ☐ a.
- ☐ b.
- ☐ c.
- ☒ d.

Yes, the answer is correct.

Score: 1

Accepted Answers:

d.

3)

1 point

Select the statement(s) that are true for smart health.

Statement I: Smart health is low-cost and portable.

Statement II: Smart health allows remote check-ups and diagnosis.

Statement III: Smart health is effortless health monitoring.

- a. Statement I
- b. Statement II
- c. Statements I, II, and III
- d. None of these

- ☐ a.
- ☐ b.
- ☒ c.
- ☐ d.

Yes, the answer is correct.

Score: 1

Accepted Answers:

c.

4)

1 point

unit=101&less
on=252)

- ☐ Assignment 10
Solution (unit?
unit=101&less
on=261)

Week 11 ()

Week 12 ()

Download
Videos ()

Books ()

Text
Transcripts
()

Live
Interactive
Session ()

What refers to combining information from multiple sensor sources?

- a. Information Collection
- b. Multi-sensor deployment
- c. Multi-sensor dissemination
- d. Multi-sensor data fusion

- ☐ a.
☐ b.
☐ c.
☒ d.

Yes, the answer is correct.

Score: 1

Accepted Answers:

d.
5)

1 point

The ensemble of all the decisions occur at the _____.

- a. Feature level
- b. Decision level
- c. Pixel level
- d. All of these

- ☐ a.
☒ b.
☐ c.
☐ d.

Yes, the answer is correct.

Score: 1

Accepted Answers:

b.

6)

1 point

The smart parking reduces traffic _____.

- a. mobility
- b. area
- c. analysis
- d. congestion

- ☐ a.
- ☐ b.
- ☐ c.
- ☒ d.

Yes, the answer is correct.

Score: 1

Accepted Answers:

d.

7)

1 point

Which of the following is the correct full form of DLNA Standards for HAN?

- a. Digital Lifestyle Network Alliance
- b. Digital Living Network Alliance
- c. Digital Lifestyle Network Algorithm
- d. None of these

- ☐ a.
- ☒ b.
- ☐ c.
- ☐ d.

Yes, the answer is correct.

Score: 1

Accepted Answers:

b.

8) Which of the following is a type of sensing? 1 point

- a. Stationary
- b. Mobile
- c. Both a and b
- d. Neither a nor b

- ☐ a.
- ☐ b.
- ☒ c.
- ☐ d.

Yes, the answer is correct.

Score: 1

Accepted Answers:

c.

9) 1 point

Smart home infrastructure cannot include wireless devices.

- a. True
- b. False

- ☐ a.
- ☒ b.

Yes, the answer is correct.

Score: 1

Accepted Answers:

b.

10) Which of the following is a layer of Zigbee ? 1 point

- a. Physical layer
- b. MAC Layer
- c. Network Layer
- d. All of these

- ☐ a.
- ☐ b.
- ☐ c.
- ☒ d.

Yes, the answer is correct.

Score: 1

Accepted Answers:

d.

11)

1 point

Which of the following is a phase of ICV development?

- a. Based on 2G
- b. Based on 4G LTE
- c. Vehicles connected to cloud
- d. All of these

- ☐ a.
- ☐ b.
- ☐ c.
- ☒ d.

Yes, the answer is correct.

Score: 1

Accepted Answers:

d.

12)

1 point

Which of the following is a property of V2X?

- a. Restricted to a single source
- b. Distributed architecture
- c. Both of a and b
- d. Neither a nor b

- ☐ a.
- ☒ b.
- ☐ c.

☐ d.

Yes, the answer is correct.

Score: 1

Accepted Answers:

b.

13)

1 point

The vehicles cannot be mobile in the Ad-hoc domain of VANET.

a. True

b. False

☐ a.

☒ b.

Yes, the answer is correct.

Score: 1

Accepted Answers:

b.

14)

1 point

Which of the following is a domain of VANET?

a. In-vehicle

b. Ad-hoc

c. Both a and b

d. Neither a nor b

☐ a.

☐ b.

☒ c.

☐ d.

Yes, the answer is correct.

Score: 1

Accepted Answers:

c.

15)

1 point

Fill in the blank. ICV is based on _____.

- a. Dedicated Short Range Communication
- b. Directed Short Range Communication
- c. Dedicated Small Range Communication
- d. All of these

- ☒ a.
- ☐ b.
- ☐ c.
- ☐ d.

Yes, the answer is correct.

Score: 1

Accepted Answers:

a.