

Unit 10 - Week 8

Course outline

How to access the portal

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Week 8

Lecture 38: Automatic data capture using RFID

Lecture 39: Automatic data capture using RFID and its applications

Lecture 40: Automatic data capture using RFID and its applications (Cont.)

Lecture 41: GPS and GIS in supply chain

Lecture 42: "Sensors and IOT: Traceability Across the supply chain"

Lecture 43: Business Analytics and Big data

Week 8: Lecture Material

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Assignment Solution

Assignment 8

The due date for submitting this assignment has passed.

Due on 2019-09-25, 23:59 IST.

As per our records you have not submitted this assignment.

1) Which types of RFID tags are suitable for supply chain applications? 2 points

- a. Active Tags
- b. Semi-Active Tags
- c. Passive Tags
- d. None of the above

- a
 b
 c
 d

No, the answer is incorrect.

Score: 0

Accepted Answers:

c

2) In RFID system, EPC code is able to identify up to ----- items uniquely. 2 points

- a. 96
- b. 2^{96}
- c. 128
- d. 256

- a
 b
 c
 d

No, the answer is incorrect.

Score: 0

Accepted Answers:

b

3) Which component of GPS system consists of ground stations located around the world to make sure that the satellites are working properly? 2 points

- a. The space segment
- b. The user segment
- c. The control segment
- d. None of the above

- a
 b
 c
 d

No, the answer is incorrect.

Score: 0

Accepted Answers:

c

4) The device which converts physical phenomenon into electrical signal is known as ----- 2 points

- a. Actuator
- b. Diode
- c. Sensor
- d. None of the above

- a
 b
 c
 d

No, the answer is incorrect.

Score: 0

Accepted Answers:

c

5) In context of information system, AIDC stands for 2 points

- a. Application identification and data capture
- b. Automated identification and data capture
- c. Automatic identifier and direct capture
- d. Automated identifier and direct capture

- a
 b
 c
 d

No, the answer is incorrect.

Score: 0

Accepted Answers:

b

6) Which type of analytics recommends decisions using Data visualization, Statistical description etc.? 2 points

- a. Decisive
- b. Descriptive
- c. Prescriptive
- d. Predictive

- a
 b
 c
 d

No, the answer is incorrect.

Score: 0

Accepted Answers:

b

7) The huge numbers of devices connected to the Internet of things have to communicate automatically, not via humans. This type of communication is termed as: 2 points

- a. Machine to Machine (M2M)
- b. Bot to Bot (B2B)
- c. Skynet
- d. Inter-cloud

- a
 b
 c
 d

No, the answer is incorrect.

Score: 0

Accepted Answers:

a

8) The vehicle routing problem in which some customers may actually be serviced by more than one vehicle is known as 2 points

- a. Capacitated Vehicle Routing Problem (CVRP)
- b. Periodic Vehicle Routing Problem (PVRP)
- c. Stochastic Vehicle Routing Problem (SVRP)
- d. Split Delivery Vehicle Routing Problem (SDVRP)

- a
 b
 c
 d

No, the answer is incorrect.

Score: 0

Accepted Answers:

d

9) An active tag generally has 2 points

- a. It's own power source
- b. Does not have its own power source
- c. Is more active than a passive tag
- d. Actively seeks other tags

- a
 b
 c
 d

No, the answer is incorrect.

Score: 0

Accepted Answers:

a

10) To determine the location of a GPS device on earth in three dimensions (3D), minimum number of satellites are needed is? 2 points

- a. 3
- b. 4
- c. 5
- d. 6

- a
 b
 c
 d

No, the answer is incorrect.

Score: 0

Accepted Answers:

b