1) Why do we need IIoT? Detecting machine failure Improving safety b. Preventing machine failure C. All of the above đ. ○ a. ○ b. ○ c. \bigcirc d.

No, the answer is incorrect.

An IoT device consists of __

Wireless communication module

Sensor

Processor

All of the above

UART

I2C

ADC

None of the above

Gas sensing in calorimetric method is based on

Both b and c

Both b & c are true

What do you understand by stability of the sensor?

Stability is associated with aging of sensor

What is the data rate for Ethernet/IP protocol?

Which of the following is considered as the root for Profinet?

Which of the following is characteristic for Time-Sensitive Networking (TSN)?

If a sensor reaches its stable output in time constant period

Robustness in the gas sensing property of gas sensor in a long time period when exposed

Floroscence properties of the sensing material

Change in temperature at the catalyst surface

Change in the resistance of the sensing material

Which of the following is not true about the Chemi-resistive gas sensor?

In n-type sensor the resistance decreases when exposed to reducing gas

In n-type sensor the resistance increases when exposed to reducing gas

In p-type sensor the resistance decreases when exposed toreducing gas

Accepted Answers:

a.

b.

c.

đ.

○ a.

○ b.

O c.

 \bigcirc d.

Score: 0

○ a.

○ b.

○ c.

 \bigcirc d.

Score: 0

4)

3)

No, the answer is incorrect.

b.

c.

đ.

No, the answer is incorrect.

Accepted Answers:

a.

b.

c.

đ.

No, the answer is incorrect.

Accepted Answers:

a.

b.

C.

đ.

No, the answer is incorrect.

Accepted Answers:

Ъ.

c.

đ.

No, the answer is incorrect.

Accepted Answers:

a.

C.

No, the answer is incorrect.

a.

b.

C.

đ.

No, the answer is incorrect.

a.

b.

C.

d.

No, the answer is incorrect.

Ring

Star

Bus

All of the above

CC-Link/LT CC-Link IE

CC Link Safety

None of the above

Return to Zero

No encoding

Non return to Zero

None of the above

Discrete Multitone Technology

Multiple Virtual Line

All of the above

Baseline analytics Prognostic analytics

Diagnostic analytics

Improvement of business value due to IIoT analytics stems from:

None of the above

Data-driven insights Better connectivity

Real-time processing

Both a) and c)

Carrierless Amplitude Modulation

Accepted Answers:

a.

b.

C.

Accepted Answers:

Accepted Answers:

○ a.

○ b.

O c.

d.

Score: 0

○ a.

○ b.

О c.

d.

Score: 0

8)

○ a.

○ b.

○ c.

 \bigcirc d.

Score: 0

○ a.

○ b.

○ c.

○ d.

Score: 0

C.

10)

○ a.

○ c.

○ d.

Score: 0

11)

○ a.

○ b.

O c.

○ d.

Score: 0

12)

○ a.

○ b.

○ c.

○ d.

Score: 0

13)

○ a.

○ b.

O c.

○ d.

Score: 0

14)

○ a.

○ b.

O c.

○ d.

Score: 0

15)

○ a.

○ b.

O c.

 \bigcirc d.

Score: 0

No, the answer is incorrect.

Accepted Answers:

b.

c.

đ.

No, the answer is incorrect.

Accepted Answers:

b.

c.

No, the answer is incorrect.

a.

b.

c.

No, the answer is incorrect.

b.

C.

đ.

No, the answer is incorrect.

Accepted Answers:

Ъ.

C.

d.

No, the answer is incorrect.

Accepted Answers:

Accepted Answers:

Accepted Answers:

b.

to hostile ambience.

Slow aging

1000 bytes

1200 bytes 1500 bytes

All of the above

Ethernet/IP

Both (a) and (b)

Time-aware

Time-schedule

Both (a) and (b)

None of the above

Which of the following topology is supported by Profibus?

Which of the following is a bit-oriented system?

Which encoding scheme is followed by DeviceNet while signal transmission?

Which of the following modulating technology is considered by Digital Subscriber Line (DSL)?

A fault has been discovered in a manufacturing process. The system has been taken offline and a system

engineer has been tasked with fixing the problem. What type of analytics should he run?

None of the above

EtherCat

○ a.

○ b.

О c.

 \bigcirc d.

Score: 0

6)

○ a.

○ b.

О c.

 \bigcirc d.

Score: 0

5)

Accepted Answers:

Score: 0

d.

2)

The due date for submitting this assignment has passed. As per our records you have not submitted this assignment.

Announcements

Ask a Question

Mentor

1 point

1 point

1 point

1 point

0 points

1 point

1 point

1 point

1 point

0 points

1 point

1 point

1 point

1 point

1 point

Unit 8 - Week 6

How does an NPTEL online

Lecture 26 : Key Enablers of

O Lecture 27 : Key Enablers of

Lecture 28 : Key Enablers of

Industrial IoT: Connectivity-

Lecture 29 : Key Enablers of

Industrial IoT: Connectivity-

O Lecture 30 : Key Enablers of Industrial IoT: Connectivity-

Week 6 Lecture Material

Week 6 Feedback Form

Quiz : Assignment 6

Industrial IoT: Sensing-Part 1

Industrial IoT: Sensing-Part 2

Course outline

course work?

Week 0

Week 1

Week 2

Week 3

Week 4

Week 5

Week 6

Part 1

Part 2

Part 3

Week 7

Week 8

Week 9

Week 10

Week 11

Week 12

Download Videos

Text Transcripts

Detailed Assignment Solution

Live Interactive Session

NPTEL » Introduction to Industry 4.0 and Industrial Internet of Things

Assignment 6

What is the suitable peripheral interfacing protocol of accelerometer ADXL335 sensor?

About the Course

Progress

Due on 2020-03-11, 23:59 IST.