Due on 2021-08-18, 23:59 IST.

1 point

1 point

1 point

2 points

MQTT, COAP, and

applications

802.15.4e, Wi-Fi

Video Download

Websockets with associated

WEEK 7 Low power wireless

technologies - BLE, IEEE

WEEK 8 Low Power Wide area technologies - NBIoT,

LTEM1, LoRa and BLE

Week 2 Assignment 2

The due date for submitting this assignment has passed.

As per our records you have not submitted this assignment.

Which RFID/NFC standard is used in Libre Pro Sensor?

Felica

ISO/IEC 18000-3 ISO/IEC 15693

 ISO/IEC 14443 No, the answer is incorrect.

Score: 0

Accepted Answers: ISO/IEC 15693

2) In RFID, what is the function of the inventory command

 To know which tags are near by To get the UUID of the targeted device

 To read the desired device data by using UUID All the above

None the above

No, the answer is incorrect. Score: 0

Accepted Answers:

All the above

Felica

3) What are the different types of RFID/NFC protocol supported by TRF7970A?

■ ISO/IEC 18000-3 ISO/IEC 15693

ISO/IEC 14443 A ISO/IEC 14443 B

No, the answer is incorrect. Score: 0

Accepted Answers: Felica

ISO/IEC 15693 ISO/IEC 14443 A

ISO/IEC 18000-3

ISO/IEC 14443 B

4) PZ1 PZ2 SW OUT Vin C1 C2 U1 47µ **1**µ CAP Vout Cstorage LTC3588-1 **22**µ Vin2 Pgood .tran 10 startup

GND

a stable output of 3.3V?

In the above mentioned circuit, if the amplitude is increased by 1.5 times and output capacitor is increased by 2 times. What will be the time taken to obtain

D1

Score: 0 Accepted Answers: (Type: Range) 51.00,53.00

No, the answer is incorrect.

4.7μ

D0

(Type: Range) 0.051,0.053

5) LTC3588-1, Piezoelectric Energy Harvesting Power Supply with Simulated Remote Sensor/Transmitter PZ1 PZ2 Vin SW OUT C1 C2 U1 CAP Vout Cstorage LTC3588-1 **22**µ Pgood Vin2 .tran 10 startup 4.7μ D0D1 GND In the above mentioned circuit, if the frequency is increased by 2 times and storage capacitor is increased by 2.5 times. What will be the time taken to obtain a stable output of 3.3V?

No, the answer is incorrect. Score: 0 Accepted Answers:

(Type: Range) 87.00,90.00 (Type: Range) 0.087,0.09

temperature is maintained at 30 deg.C 300 deg.C

6) From the datasheet of Teg1-12611-6, to harvest the maximum amount of energy, what is the required hot side temperature if cold side

250 deg.C

150 deg.C 50 deg.C

No, the answer is incorrect. Score: 0

Accepted Answers: 300 deg.C

○ 4 – 6 V

8) From the datasheet of Teg1-12611-6 for Th = 200 deg.C and Tc = 50 deg.C, the output power obtained is

7) From the datasheet of Teg1-12611-6 for Th = 225 deg.C and Tc = 30 deg.C, the open circuit voltage obtained is

7-8V 6-7V

3-4V

No, the answer is incorrect. Score: 0 Accepted Answers:

6 - 7V

05-6W

1 point

2 points

1 point

1 point

3 – 4 W 01-2W

○ 6 – 7 W No, the answer is incorrect. Score: 0

OR 6 - 7 W

Accepted Answers: 5 - 6 W