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Course

Ask a Question

Announcements



Mentor

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Progress

Courses » Design for internet of things

Course outline	Week4 Assessment	NO 22 22.E0 ICT
How to access the portal	Submitted assignment	10-23, 23:59 151.
Introduction to IOTs - Improving Quality of Life	 Simulation study is very useful for Designing an energy harvesting system. Desiding the storage of the voltage output 	1 poir
System Design and Overview of Power Supply Section	 Declaing the storage of the voltage output. To know the behaviour of the system. All of the above. 	
Designing with LDO's, Switching Regulators and Case Studies	No, the answer is incorrect. Score: 0 Accepted Answers: All of the above.	
Power Conditioning with Energy Harvesters	 2) A smart phone includes many sensors, like the following Accelerometers Gyroscopes Magnetometers 	1 poir
 Power Conditioning with Energy Harvesters - I 	 Barometers All of the above 	
 Power Conditioning with Energy Harvesters - II 	Score: 0 Accepted Answers: All of the above	
O Power Conditioning with Energy Harvesters - III	 3) Barometer is used to measure Distance Height 	1 poir
Quiz : Week4 Assessment	 Pressure Acceleration 	
 Solutions for Assignment 4 	No, the answer is incorrect. Score: 0	
Battery less power supply and battery life calculation for embedded	Accepted Answers: Pressure 4) Pulse sensor works using	1 poir
devices	 Invasive methods IR Reflective methods 	

IoT LAN and WAN Connectivities

IoT Case Studies

None	of the	above
		above

- \bigcirc Both(a) and (b)
- Both(a) and (b)

No, the answer is incorrect. Score: 0

Accepted Answers:

IR Reflective methods

5) Source impedance of the DC-DC converter should match with source impedance of the TEG 1 point

\bigcirc	True

- False
- Not necessarily
- None of the above

No, the answer is incorrect. Score: 0

Accepted Answers:

True

6) In the pulse sensor demonstration, we stressed on voltage stability. This is because **1** point

- Sensor is sensitive to voltage fluctuation
- Sensor needs analog voltage
- Reference voltage should not vary
- All of the above

No, the answer is incorrect. Score: 0

Accepted Answers: Sensor is sensitive to voltage fluctuation

7) In a TEG, the source resistance should match

Input resistance of boost converter

- Output resistance of the TEG
- Output of the boost converter
- None of the above.

No, the answer is incorrect. Score: 0

Accepted Answers: Input resistance of boost converter

8) MPPT point is

- Maximum voltage x maximum current
- Maximum voltage x minimum current
- Minimum voltage x minimum current
- None of the above.

No, the answer is incorrect. Score: 0

Accepted Answers: None of the above.

9) The difference between MPPT and MPPC is

- No difference
- MPPC tries to maintain 50% of input voltage
- MPPT tries to maintain 50% of input current
- None of the above

No, the answer is incorrect. Score: 0 1 point

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25/07/2018

Design for internet of things - - Unit 5 - Power Conditioning with Energy Harvesters

Accepted Answers: None of the above

10)JVLO feature is required when

- Output load current increases
- Output load current decreases
- Low input voltage is available for extended period.
- Input voltage is absent for an extended period.

No, the answer is incorrect.

Score: 0

Accepted Answers:

Input voltage is absent for an extended period.

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End

1 point

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