Unit 10 - CEDT implementation, Liquid cooling, Sealed units, manufacture

Week 8 assessment

The due date for submitting this assignment has passed. Due on 2018-04-04, 23:59 IST.

Submitted assignment

1) What is “over the wall” design, for example, in the design of electronic equipment? 1 point

- To ignore thermal aspects and wait for a situation to arise
- Finish one aspect of the design and pass it on to the next department
- To use available designs
- To do concurrent calculations

No, the answer is incorrect.
Score: 0

Accepted Answers:
Finish one aspect of the design and pass it on to the next department

2) What is “pigeonholing” in design, for example, in the design of electronic equipment? 1 point

- To ignore thermal aspects and wait for a situation to arise
- To use available designs
- Finish one aspect of the design and pass it on to the next department
- To do concurrent calculations

No, the answer is incorrect.
Score: 0

Accepted Answers:
To ignore thermal aspects and wait for a situation to arise

3) Which of these are the thermal parameters to be considered when selecting a Peltier Element 1 point

- Maximum Cooling Capacity
- Temperature Difference
- Both 1 and 2
- Neither 1 nor 2

No, the answer is incorrect.
Score: 0

Accepted Answers:
Both 1 and 2

4) In Peltier Cooling, when should temperature measurement be done using the “four wire sensing” method? 1 point

- Round up
- 4X Peltier cooler
- Manufacturing Video
- Quiz : Week 8 assessment

https://onlinecourses.nptel.ac.in/noc18_ec08/unit?unit=62&assessment=70
When higher precision is needed at lower resistances
When lower precision is sufficient at lower resistances
When lower precision is sufficient at higher resistances
When higher precision is needed at higher resistances

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

When higher precision is needed at lower resistances

5) What is meant by a "Four wire" Sensor used for temperature measurement?

- It is a sensor with separate pairs of current carrying and voltage carrying electrodes
- It is a sensor which measures temperature at four different places
- It is a sensor with four pins

No, the answer is incorrect.
Score: 0
Accepted Answers:
It is a sensor with separate pairs of current carrying and voltage carrying electrodes

6) What is the name of the manufacturing process by which slots are cut into the work-piece by the CNC machine?

- Casting
- Milling
- Shot-peening
- Turning

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

7) What is the format in which the workpiece/CAD information is fed into the system, which can be interpreted by the CNC machine?

- Gcode or Mcode
- English
- IGS
- STL

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

8) What is the full form of CNC?

- Communication Normalized Computer
- Computationally Nested Conduction
- Contravening Nucleated Communication
- Computer Numerical Control

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