Unit 3 - Electronic Product Enclosures - from Concept to Realization

Week 2 Assessment

The due date for submitting this assignment has passed. Due on 2017-08-09, 12:00 IST.

Submitted assignment

1) From the list of creativity tools to help get ideas for sketching, what is the meaning of scamper?
   - Use action words like substitute, combine, reverse to come up with solution
   - Use a random word to stimulate a solution
   - Getting ideas from a large audience to get the solution
   - To think more deeply about the problem to come up with solutions

   No, the answer is incorrect.
   Score: 0
   Accepted Answers:
   Use action words like substitute, combine, reverse to come up with solution

2) What is the main difference in a drawing that is in pictorial/perspective view and a drawing in the isometric view?
   - Foreshortening is not shown in isometric view
   - Pictorial view has dimensions to scale
   - Foreshortening is not shown in Pictorial view
   - One dimension is not shown in isometric view

   No, the answer is incorrect.
   Score: 0
   Accepted Answers:
   Foreshortening is not shown in isometric view

3) Which of these sketching techniques is used to communicate depth and proximity in the drawing?
   - Drafting
   - Layering
   - Dimensioning
   - Line weight

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

4) In a perspective sketch, the point at which receding parallel lines appear to converge is known as
Plastic

Safety and Environmental Classes of Electronic Enclosures

How Enclosures can be designed to Protect

Thermal management, and a brief introduction to connectors

Everything you wanted to know about connectors!

Using CAD to design electronic enclosures

Detailing and Manufacturing Enclosures using CAD

1) Infinity Point
   • Perspective Point
   • Vanishing Point
   • End Point

No, the answer is incorrect.
Score: 0

Accepted Answers:
Perspective Point

2) No, the answer is incorrect.
Score: 0

Accepted Answers:
Vanishing Point

5) Plastic

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5) In the naming convention of battery cells, for e.g. 18650 cells, the number 18650 refers to

• Wattage
• Amperage
• Voltage
• Dimensions

No, the answer is incorrect.
Score: 0

Accepted Answers:
Dimensions

6) In the creativity tools for sketching ideas, what is doodling?

• To take a pen and paper and draw freely
• To find an answer on google
• To draw using a drafter and X,Y and Z axis to scale
• To take a higher or more detailed view of the solution

No, the answer is incorrect.
Score: 0

Accepted Answers:
To take a pen and paper and draw freely

7) What is the full form of PWB, in the context of electronic design?

• Price When Buying
• Programmers Work Bench
• Pulse Width Band
• Printed Wiring Board

No, the answer is incorrect.
Score: 0

Accepted Answers:
Printed Wiring Board

8) If you had to redesign the "watchdog" product for a high security military installation, which of the functionalities would require most extending?

• Power Supply
• Sensor Range
• Warning/Alarm system
• All of the above

No, the answer is incorrect.
Score: 0

Accepted Answers:
All of the above

9) Why is the base of the table lamps usually the heaviest part of it, i.e, why is the Center of Gravity of the device tending to the bottom?

• Because the circuitry must be stored somewhere!

No, the answer is incorrect.
Score: 0

Accepted Answers:
Because the circuitry must be stored somewhere!
1. What is the main functionality of the “Lumi” Concept that was explained in the videos?
   - All of the above
   - Writing
   - Table top illumination
   - A timer for writing answers during examinations

   **No, the answer is incorrect.**
   **Score: 0**
   **Accepted Answers:**
   - All of the above

You were allowed to submit this assignment only once.