Week 7 Assessment

The due date for submitting this assignment has passed. **Due on 2017-09-13, 23:59 IST.**

Submitted assignment

1) An electronics product has no special protection against accidental contact or penetration of foreign objects or against water. It will be given a rating of

- IP67
- IP44
- IP20
- IP00

**No, the answer is incorrect.**
**Score: 0**

**Accepted Answers:**
IP00

2) You require an enclosure for a product that will be always used indoors. You need to protect the electronics parts from being touched by the users, and from solid particles from entering it. However, no protection from water ingress is necessary. Which type of enclosure will you use?

- Type 2
- Type 1
- Type 3S
- Type 3

**No, the answer is incorrect.**
**Score: 0**

**Accepted Answers:**
Type 1

3) IEC 529 specifies the categories that are more commonly known as-

- NEMA standards
- UL standards
- IP rating
- CSA standards

**No, the answer is incorrect.**
**Score: 0**

**Accepted Answers:**
IP rating

4) The first digit in the IP rating indicates protection against which of these?

- Solid objects
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

Sealed Enclosures Video

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

5) The second digit in the IP rating signifies protection against which of these? 1 point

- Water
- Solid objects
- Gases
- Vacuum

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

6) If the first digit of an IP rating is 1, it indicates protection a which size, and greater? 1 point

- 40mm
- 50mm
- 30mm
- 60mm

No, the answer is incorrect.
Score: 0
Accepted Answers:
50mm

7) If the second digit of the IP rating is 1, this means that the enclosure is protected against 1 point

- Vertically dripping water
- Protected against sprayed water at up to a 60 degree angle
- Protected against the short term effects of immersion
- Protected against dripping water at a 15 degree angle

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

8) What do you think the IP rating of the enclosure of an automobile Engine Control Unit (ECU) should be? 1 point

- IP67
- IP20
- IP40
- IP56

No, the answer is incorrect.
Score: 0
Accepted Answers:
IP67

9) The nearest equivalent to NEMA 4X in IP ratings is 1 point

- IP66
- IP55
- IP54
- IP65
10) If the first digit of an IP rating is 5, it indicates that the enclosure is dust tight.

- True
  - False

No, the answer is incorrect.
Score: 0
Accepted Answers:
IP66
False