

# CSWP Practice Test Questions and Answers

## 1. What does factor of safety (FOS) indicate?

- A) The cost-effectiveness of the part.
- B) The duration before a part fails.
- C) The ability to resist temperature.
- D) The margin between failure and expected stress

## 2. What is a boundary condition in simulation?

- A) A design parameter that affects dimensions.
- B) A restriction on the material properties.
- C) A simulated condition like force or fixed support
- D) A method to finalize 3D printing.

## 3. Why is mesh quality important in simulations?

- A) It determines the color of the results.
- B) It affects simulation accuracy and computational efficiency
- C) It is only important for rendering.
- D) It increases file size for no reason.

## 4. What does the scale 2:1 indicate in a drawing?

- A) The object is half the size.
- B) The object is drawn at actual size.
- C) The object is twice as large on paper compared to real size
- D) It is only used for electrical diagrams.

**Answers: 1-D 2-C 3-B 4-C**

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