

3D Product Practice Test Questions and Answers

1. What is 'infill' in FDM 3D printing?

- A) The internal structure printed inside a solid-looking object to add strength while saving material
- B) The first layer printed on the build plate
- C) The final outer shell of a printed object
- D) The temperature setting for the heated build plate

2. What is a NURBS curve in 3D modeling?

- A) Non-Uniform Rational B-Spline, a mathematical curve used to create smooth surfaces
- B) A type of polygon used in low-poly modeling
- C) A UV mapping technique for texturing
- D) A subdivision surface algorithm

3. What is 'ergonomics' in product design?

- A) The science of designing products to fit the human body and optimize comfort, safety, and efficiency
- B) The aesthetic styling of a product's exterior form
- C) The process of determining a product's price point
- D) The structural analysis of a product under load

4. What does FDM stand for in 3D printing?

- A) Fused Deposition Modeling
- B) Frequency Driven Manufacturing
- C) Fused Digital Mapping
- D) Fabricated Deposition Method

Answers: 1-A 2-A 3-A 4-A

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