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**Book Information**

*Technical Drawing for Engineering Communication*

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**Exam Topics**

I. **BASICS.**
   - Employability Skills for Drafting and Design Technician.
   - Drafting Tools: Conventional, CAD, and Solid Modeling.
   - Sketching and Lettering for Engineering Communication.
   - Geometric Construction.

II. **TECHNICAL DRAWING FUNDAMENTALS.**
   - Spatial Visualization and Multiview Drawings.
   - Dimensioning and Notation.
   - Sectional Views.
   - Auxiliary Views.
   - Descriptive Geometry.
   - Patterns and Developments.
   - Solid/3D Modeling: Computational Design and Analysis.

III. **DESIGN DRAFTING APPLICATIONS.**
    - Geometric Dimensioning and Tolerancing.
    - Fasteners.
    - Springs.
    - Cams.
    - Gears.
    - Assembly and Detail Drawings for Design.
    - Pictorial Drawings.
IV. RELATED TECHNOLOGIES, APPLICATIONS AND PROCESSES.
   • Welding.
   • Modern Manufacturing: Materials, Processes, and Automation.
   • The Design and Advanced Concepts.

Sample Questions
1. Dry cleaning powder is used after the completion of a drawing to clean up any specks or smearing.
   a. True
   b. False

2. The depth of a thread is figured by measuring the distance between the crest and the root of the thread, as measured at a right angle to the axis.
   a. True
   b. False

3. The most common way to make a solid model using CAD software is to begin with
   a. an actual object to be modeled
   b. a three-dimensional sketch
   c. a two-dimensional sketch

4. An invention agreement is used to:
   a. protect the inventor at the company
   b. protect the company from a worker marketing an idea
   c. guarantee a raise if a good idea is developed
   d. none of the above

5. Tool bodies are generally made by:
   a. powder metallurgy
   b. forging
   c. welding
   d. extruding