BASIC BLUEPRINT READING ASSESSMENT

Module 2 (8HR) – Plans and Drawings

Directions: C*ircle the letter of the correct answer.*

1. The views of an orthographic drawing are projected at _____ angles.

   a. 180 degrees
   b. 90 degrees
   c. 45 degrees
   d. 1360 degrees

2. _____ is the ability to see the size and shape of the structure form a set of plans.

   a. Estimate
   b. Visualization
   c. Project
   d. Interpretation

3. _____ is the ability to read line, symbols, dimensions, notes, and other information on the print or plan.

   a. Estimate
   b. Visualization
   c. Project
   d. Interpretation

4. Reading and understanding construction blueprints and plans begin with recognizing the various _____.

   a. Symbols, abbreviations, lines
   b. Abbreviations, lines, drawings
   c. Symbols, lines, CAD drawings
   d. CAD drawings, symbols, abbreviations

5. The _____ is the basis of all industrial drawings.

   a. Blueprint
   b. Plan
   c. Line
   d. Angle

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6. A _____ line is an extra heavy line made up of two short dashed alternating with long dashes and it shown on a site plan.

   a. Property
   b. Object
   c. Hidden
   d. Break

7. A _____ line is a heavy continuous line that shows the outline structure of an object, such as rooms, doors, and windows.

   a. Property
   b. Object
   c. Hidden
   d. Break

8. A_____ line is made up of medium weight, evenly spaced, short dashes and are used to show objects, edges, or surfaces that are not visible to a particular view.

   a. Property
   b. Object
   c. Hidden
   d. Break

9. A_____ line is used to show that an object has not been drawn in its entirety.

   a. Property
   b. Object
   c. Hidden
   d. Break

10. The _____ is considered to be the most important part of the drawing.

    a. Site plan
    b. Floor plan
    c. Specifications
    d. Show drawing

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11. _____drawings show the exterior view of a building as seen by a person looking at each side.

    a. Elevation
    b. Cross-sectional
    c. Interior
    d. None of the answers provided

12. _____drawings show the type and construction of a particular interior wall or area.

    a. Elevation
    b. Cross-sectional
    c. Interior
    d. None of the answers provided

13. _____drawings are made by imagining that a cut has been made through an object at right angles.

    a. Elevation
    b. Cross-sectional
    c. Interior
    d. None of the answers provided

14. When storing and transporting blueprints, it is recommended that they be _____.

    a. Folded
    b. Stapled
    c. Rolled
    d. Bent

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Scales and Dimensions

1. The dimensional relationship of the full-sized structure to the drawing is based upon a_____.

   a. Unit
   b. Inch
   c. Foot
   d. Scale

2. The most reliable tool for calculating a measurement is the_____ scale.

   a. Architect's
   b. Engineer's
   c. Foreman's
   d. Superintendent's

3. Typically, the fractional rule in the construction industry is divided into_____.

   a. 4ths or 8ths
   b. 5ths and 10ths
   c. 8ths and 16ths
   d. 6ths and 12ths

4. Construction drawings are drawn to _____.

   a. Scale
   b. Full size
   c. Enlarged size
   d. None of the answers provided

5. Architect's scales are ___ inches long.

   a. 16
   b. 24
   c. 6
   d. 12

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6. A _____ architect scale has 11 scales in all.

   a. Rectangular
   b. Square
   c. Triangular
   d. Polygon

7. When using an engineer's scale, one must multiply the value identified by _____.

   a. 5
   b. 10
   c. 20
   d. 100

8. Plan dimensions are always written in _____.

   a. Yards and inches
   b. Feet and inches
   c. Meters and centimeters
   d. Yards and feet