CAE-II- Unit 2A-Interpret-Read-Blueprints-PICTORIAL-ORTHOGRAPHIC-2020

Computer Aided Engineering

* Required

1. Email address *

2. First Name *

3. Last Name *

4. Email *

5. Perspectives and axonometrics are two types of _____ drawings. *

   Mark only one oval.

   - Pictorial
   - Lithographic
   - Assembly
   - Oblique

6. Pictorial drawings are divided into the following: *

Mark only one oval.

- One Point, Two Point, Three Point
- Isometric, Dimetric, Fourmetric
- Axonometric, Oblique, Perspective
- Cavalier, Cabinet, Oblique

7. The term isometric means *

Mark only one oval.

- Equal Measurement
- Perpendicular
- Parallell
- None of the above

8. A _____ provides a 3D image to help understand the shape of an object or to assist in interpreting a drawing. *

Mark only one oval.

- pictorial drawing
- orthographic drawing
- section drawing
- all of the above

9. A _____, also referred to as a plane of projection or picture plane, is an imaginary surface that exists between the viewer and the object. *

Mark only one oval.

- multiview plane
- projection plane
- isometric plane
- air-plane

10. The most commonly used method of pictorial drawing in engineering is the _____. *

Mark only one oval.

- perspective
- oblique
- isometric drawing
- orthographic

11. Isometric drawings are drawn on three lines, called _____ axes. *

Mark only one oval.

- isometric
- x and y
- orthographic
- none of the above

12. In oblique drawings, the length of the lines projecting backwards are drawn on a _____ degree angle (s). *

Mark only one oval.

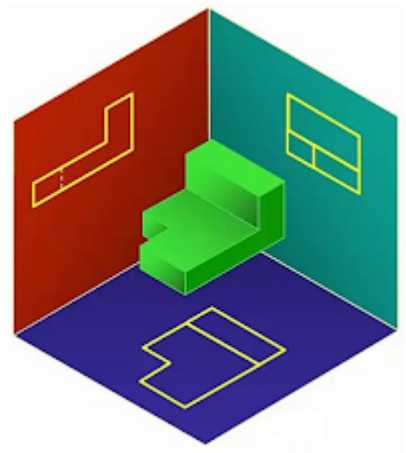
- 30
- 45
- 60
- All of the above

13. In architecture, one of the best ways to provide a pictorial representation of a design is by showing a (n) _____ drawing. *

Mark only one oval.

- Isometric
- Axonometric
- Perspective
- Orthographic

14. In an engineering drawing, the drawing below represents a _____. *



Mark only one oval.

- 1st angle projection
- 2nd angle projection
- 3rd Angle projection
- 4th angle projection

15. Perspective drawings can be _____ (s). *

Mark only one oval.

- 1 point perspective
- 2 point perspective
- 3 point perspective
- All of the above

16. The _____ drawing produces an image in three dimensions that is very similar to what the human eye sees. *

Mark only one oval.

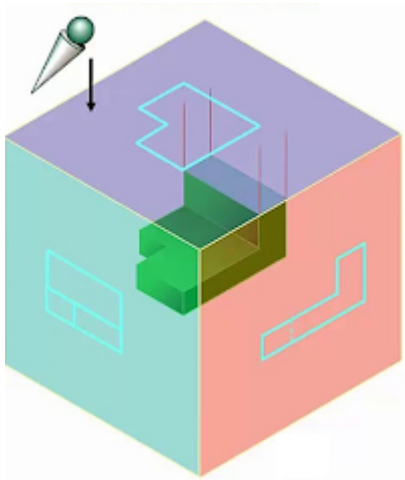
- ◯ isometric
- ◯ perspective
- ◯ oblique
- ◯ none of the above

17. The _____ and the _____ are two types of oblique drawings. *

Mark only one oval.

- ◯ isometric, axonometric
- ◯ perspective 1 point, perspective 2 point
- ◯ dimetric, trimetric
- ◯ cavalier, cabinet

18. In an engineering drawing, the drawing below represents a _____ . *



Mark only one oval.

- 1st angle projection
- 2nd angle projection
- 3rd angle projection
- 4th angle projection

19. A technique that is used to create multiview drawings is called a (n) _____. *

Mark only one oval.

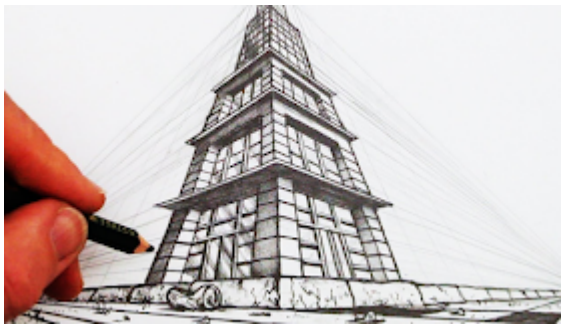
- pictorial projection
- orthographic projection
- multiview projection
- drawing projection

20. The difference between a (n) _____ and _____ is how the depth of the object is represented. *

Mark only one oval.

- ◯ 1 point, 2 point perspective
- ◯ oblique cavalier, oblique cabinet
- ◯ isometric, axonometric
- ◯ dimetric, trimetric

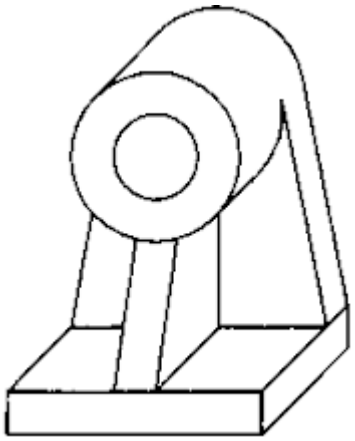
21. The drawing below represents a _____ drawing. *



Mark only one oval.

- ◯ 1 point perspective
- ◯ 2 point perspective
- ◯ 3 point perspective
- ◯ 4 point perspective

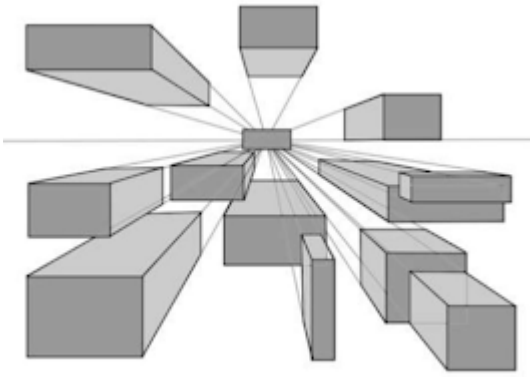
22. The drawing below represents a (n) _____ drawing. *



Mark only one oval.

- Isometric
- one point perspective
- oblique cavalier
- Axonometric

23. The drawing below represents a (n) _____ drawing. *



Mark only one oval.

- cavalier
- isometric
- one point perspective
- cabinet

24. What is (are) true about a three point perspective? *

Mark only one oval.

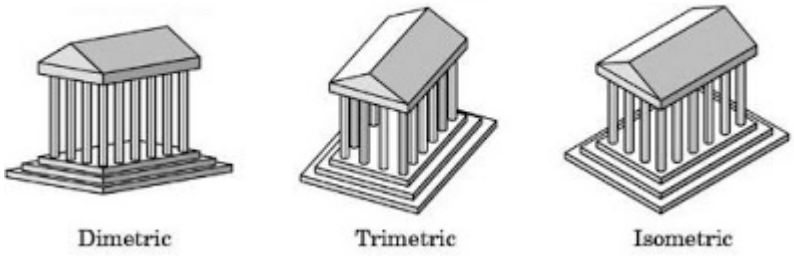
- It is very similar to what the human eye sees.
- A "bird's eye" views the object from above the object.
- A "worm's eye" views the object from the "floor" level.
- All of the above

25. In an axonometric TRIMETRIC drawing, *

Mark only one oval.

- all of the axes angles are equal.
- two of the axes angles are equal.
- none of the axes angles are equal.
- None of the above

26. The drawing below all 3 drawings are in the category of _____ drawings. *



Mark only one oval.

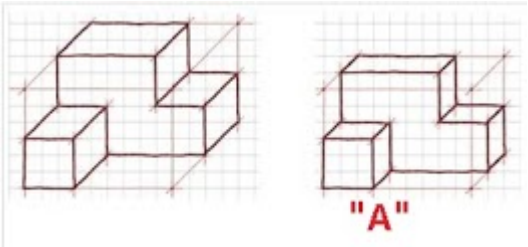
- perspective
- axonometric
- oblique
- None of the above

27. What are the types of axonometric projection? *

Mark only one oval.

- Trimetric projection
- Dimetric projection
- Isometric projection
- All of the above

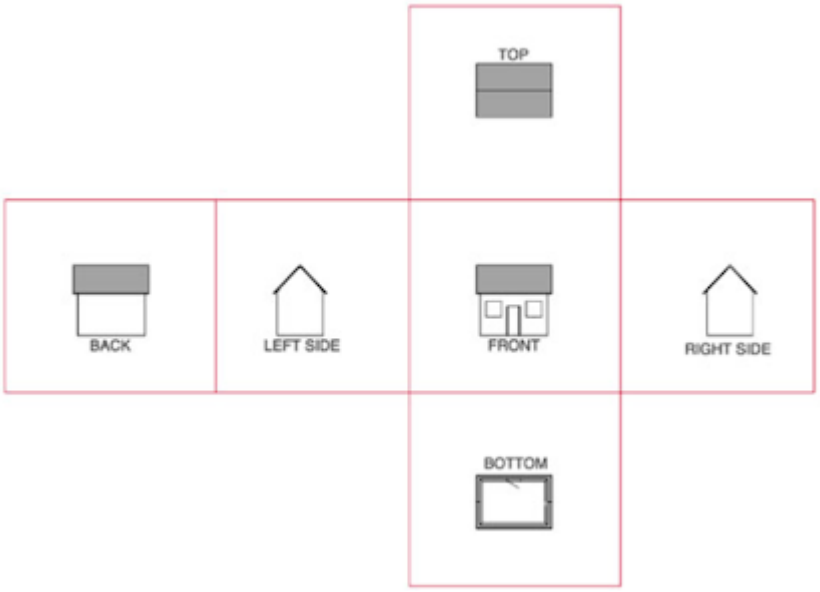
28. The drawing below labeled "A" depicts an _____ projection. *



Mark only one oval.

- oblique cavalier
- oblique orthographic
- oblique isometric
- oblique cabinet

29. The drawing below represents the _____. *



Mark only one oval.

- six principal views in a multiview drawing (first angle projection).
- six principal views in a multiview drawing (second angle projection).
- six principal views in a multiview drawing (third angle projection).
- six principal views in a multiview drawing (fourth angle projection).