



Industrial Drawing III
 Midterm Examination

MIDTERM EXAMINATION IN INTECH III: INDUSTRIAL DRAWING (TECHNICAL DRAWING)

NAME: _____ CRS./YR./SEC. _____ SCORE: _____

General Instruction: avoid erasures

Read the instruction carefully

Write legibly

Part I. Multiple Choice (40 items)

Encircle the letter of the correct answer.

- Wh 1. Industrial drawing is primarily concerned with:
 a. Painting b. Music c. Lines d. Colors
- ✓ 2. The light line used to block in an object is called:
 a. Borderline b. Construction line c. Dimension line d. Centerline
3. Which type of drawing shows details of trusses, beams, and foundations?
 a. Naval drafting b. Structural drafting c. Machine drafting d. Architectural drafting
- ✓ 4. A medium line used to show visible edges and contours:
 a. Borderline b. Visible line c. Hidden line d. Break line
5. Which specialization deals with ship and boat design?
 a. Electrical drafting b. Naval drafting c. Sheet metal drafting d. Aeronautical drafting
6. Which is NOT a class of drawing?
 a. Preliminary drawing b. Display drawing c. Working drawing d. Conceptual drawing
7. Which drafting tool is used to draw horizontal lines?
 a. Triangle b. T-square c. Compass d. Divider
- ✓ 8. The instrument used to measure angles up to 180° is:
 a. Compass b. Divider c. Protractor d. Triangle
9. Which type of pencil is best for borderlines and shading?
 a. 6B b. 2H c. HB d. 4H
10. Which line is used to indicate symmetry or the center of arcs and circles?
 a. Centerline b. Dimension line c. Borderline d. Extension line
11. Which of the following is a broad term for computer-generated drawings?
 a. Digital design b. CAD c. Computer graphics d. Graph plotting
12. Which field of drafting involves airplane and spacecraft design?
 a. Aeronautical drafting b. Naval drafting c. Machine drawing d. Architectural drawing
- ✓ 13. The reproduction device commonly used in portraying human figures:
 a. Compass b. Pantograph c. Protractor d. Technical pen
14. Which tool is used to draw irregular curves?
 a. French curve b. Triangle c. Compass d. Divider
15. Which drawing class is the most important and used in construction?
 a. Display drawing b. Working drawing c. Freehand drawing d. Preliminary drawing
16. What is the thickest line used in technical drawing?
 a. Visible line b. Centerline c. Dimension line d. Extension line
17. Which drafting instrument is used to reproduce or transfer measurements?
 a. Compass b. Divider c. Protractor d. French curve
- ✓ 18. A freehand drawing done quickly to communicate an idea is called:
 a. Layout b. Sketch c. Working drawing d. Draft
19. Which of the following is NOT a type of dimension line?
 a. Leader line b. Centerline c. Extension line d. Arrowhead line
- ✓ 20. The universal language of industry is:
 a. Drawing b. Mathematics c. English d. Blueprint
21. What is the primary purpose of industrial drawing?
 a. Decoration b. Communication c. Expression d. Shading
22. Which tool combines the function of T-square, triangle, and protractor?
 a. Protractor b. Triangular scale c. Drafting machine d. Compass
- ✓ 23. The lettering style recommended for technical drawings is:
 a. Script b. Italics c. Gothic d. Calligraphy
24. Which drawing is used to visualize the product before production?
 a. Working drawing b. Display drawing c. Sketch d. Technical plan

State the answer
 to the following
 questions
 correctly
 checked
 later on
 Wh questions

25. A thin line used for temporary construction purposes:
a. Borderline b. Hidden line c. Construction line d. Dimension line
26. Which field of drafting deals with building plans and elevations?
a. Naval drafting b. Architectural drafting c. Structural drafting d. Machine drafting
27. The line used to show objects hidden from view:
a. Visible line b. Centerline c. Hidden line d. Borderline
28. A tool used to hold drawing paper on the board:
a. Clips b. Ruler c. Drafting tape d. All of the above
29. Which CAD software is widely used in drafting?
a. Photoshop b. AutoCAD c. Excel d. Paint
30. Which type of drawing is prepared before construction begins?
a. Working drawing b. Freehand drawing c. Preliminary drawing d. Display drawing
31. Which material is commonly used as a drawing surface?
a. Manila paper b. Vellum c. Tissue d. Cardboard
32. The edge of a drawing paper is enclosed with:
a. Construction line b. Borderline c. Centerline d. Dimension line
33. Which of the following is NOT a drafting tool?
a. Compass b. Protractor c. Triangle d. Calculator
34. A tool used to divide a line into equal parts:
a. Compass b. Divider c. French curve d. T-square
35. The function of break lines is to:
a. Shorten objects b. Indicate borders c. Mark dimensions d. Show symmetry
36. Which drafting instrument is used for drawing circles?
a. Divider b. Compass c. French curve d. Scale
37. An example of computer graphics in drafting is:
a. Freehand sketching b. CAD c. Blueprinting d. Ink shading
38. A standard scale used in drafting is:
a. 1:100 b. 1:10 c. 1:50 d. All of the above
39. Which tool protects the drawing surface while erasing?
a. French curve b. Ruler c. Erasing shield d. Compass
40. Which field of drafting deals with circuits, wiring, and power systems?
a. Machine drafting b. Electrical drafting c. Aeronautical drafting d. Structural drafting

Part II. Identification (15 items)

Write the correct answer.

41. The art of representing objects by means of lines. _____
42. The field of technical drawing dealing with electrical layouts. _____
43. A device used to mix paints or watercolors. _____
44. A device used in enlarging small details. _____
45. Drafting tool that combines T-square, triangle, and compass. _____
46. Drawing done without instruments, only pencil. _____
47. Line used to frame the whole drawing. _____
48. Drawing that includes plans, elevations, and sections. _____
49. Tool used to divide a line into equal parts. _____
50. Thin sheet used to protect drawings while erasing. _____
51. Drafting specialization involving cars and machinery. _____
52. Lines used for measurements and annotations. _____
53. Standard lettering style in technical drawings. _____
54. The broad category of drawings done on computers. _____
55. A drawing used mainly for client presentations. _____

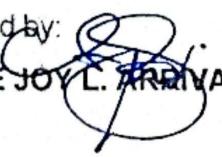
Part III. True or False (15 items)

56. Freehand drawing is also called sketching. _____
57. Architectural drafting focuses on airplanes and jets. _____
58. Working drawings are used in actual construction. _____
59. A triangle is commonly used with a T-square for inclined lines. _____
60. Drawing is a universal language of industry. _____
61. Drawing is good for the brain because it stimulates positive chemicals. _____
62. A divider is used to draw circles and arcs. _____
63. Centerlines are dark, heavy lines used for symmetry. _____
64. HB pencil is commonly used for sketching. _____
65. Drawing paper must be fastened before sketching. _____
66. Visible lines represent the outlines of an object. _____
67. Hidden lines are shown as long, continuous lines. _____
68. CAD eliminates the need for manual drafting completely. _____
69. Orthographic drawing shows objects in 3D form. _____
70. Drafting is an essential tool in communication for engineers. _____

er briefly and clearly.

71. Why is drawing considered important in the industry?
72. Differentiate freehand drawing and technical drawing.
73. Explain why drawing is called a universal language.
74. What are the advantages of freehand sketching in drawing?
75. Which drawing instrument do you think is most important, and why?
76. Compare manual drawing and computer-aided drafting (CAD) now a days.
77. How does drawing contribute to communication in Industrial Technology?
78. What is the importance of accuracy in technical drawings?
79. In your opinion, how will technology change the future of industry?
80. What values or work ethics can be learned through drawing?

Prepared by:


DEBBIE JOY L. ARRIVAS, MAT
Faculty

Checked by:


GLENN S. TALUA, MERE
BSIT Program Chairman
2025 -10- 03

Noted by:


CHARLIE J. MAGHANOY, EdD
College Dean