



Republic of the Philippines  
**SULTAN KUDARAT STATE UNIVERSITY**  
College of Industrial Technology  
**MIDTERM EXAM IN DT 211**  
**ARCHITECTURAL DRAFTING AND DESIGN 1**  
FOR BINDTECH- DRAFTING TECH.2  
2<sup>ND</sup> Semester, S.Y. 2025 – 2026



**Instruction:** Read each question carefully and select the correct answer. Use the answer sheet for your answers.

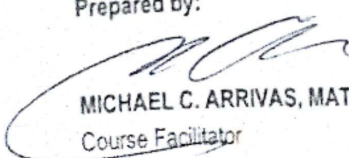
1. What is a floor plan?
  - A. A map showing the layout of rooms viewed from above
  - B. A 3D model of a structure
  - C. A design of the foundation only
  - D. A drawing showing the exterior view of a building
2. Which architectural symbol represents a door swing?
  - A. A curved line connecting wall and door
  - B. A straight solid line
  - C. A circle with cross
  - D. A dashed rectangle
3. Why is a floor plan essential in the design process?
  - A. It determines wall thickness
  - B. It defines spatial arrangement and flow between areas
  - C. It replaces all other drawings
  - D. It calculates the cost of materials
4. Why must dimensions be shown on floor plans?
  - A. To show color preferences
  - B. To communicate actual measurements and construction limits
  - C. To display structural loads
  - D. To identify furniture placement
5. A client wants an open kitchen-living layout. What design principle applies?
  - A. Function-based zoning
  - B. Load calculation
  - C. Division of spaces
  - D. Hidden structure design
6. You are drawing a 1:100 scale floor plan. A 5-meter wall should be drawn as:
  - A. 10 cm
  - B. 1 cm
  - C. 5 cm
  - D. 50 cm
7. A bedroom door blocks circulation when opened. What error occurred?
  - A. Poor space planning
  - B. Over-detailing
  - C. Missing labels
  - D. Misaligned dimensioning
8. Which design option provides better ventilation?
  - A. Windows on adjacent walls
  - B. Fixed glass only
  - C. One small window on a single wall
  - D. No windows
9. You are designing a small studio unit. What should you prioritize first?
  - A. Roof design
  - B. Functional zoning and space flow
  - C. Furniture type
  - D. Color palette
10. If you were to redesign a crowded floor plan, how could you make it efficient?
  - A. Combine related areas and optimize movement
  - B. Add random partitions
  - C. Remove all doors
  - D. Reduce hallway widths
11. What is an elevation in drafting?
  - A. A vertical view showing exterior faces
  - B. A top view from above
  - C. A 3D model
  - D. A horizontal cut through the structure
12. Which direction usually corresponds to the front elevation?
  - A. Direction of main entry
  - B. South
  - C. North
  - D. Rear façade
13. Why are multiple elevations prepared?
  - A. To show ceiling height only
  - B. To reduce other drawings
  - C. To illustrate each exterior side of the building
  - D. For color selection
14. Why are symbols and notes important on elevation drawings?
  - A. To give accurate descriptions of finishes and materials
  - B. They show lighting
  - C. They are only decorative
  - D. They replace floor plans

15. A designer wants to show window height relative to floor level. Which view is used?
- Elevation
  - Section
  - Site plan
  - Floor plan
16. You need to indicate brick cladding on the west wall. How do you show this in elevation?
- Use material hatch or texture symbol
  - Use center lines
  - Leave blank
  - Write "wall" only
17. If a window shown on the floor plan doesn't appear in elevation, what's wrong?
- The elevation drawing is incomplete
  - The scale is wrong
  - The elevation is reversed
  - The floor plan is too detailed
18. Which elevation design is most sustainable for a tropical home?
- Small windows on west side, shaded openings
  - No ventilation
  - Full concrete walls
  - Large south-facing glass walls
19. You are designing a facade for visual balance. Which principle would you apply?
- Random spacing
  - Repetition only
  - Symmetry and proportion
  - Contrast without order
20. How would you modify the elevation to improve natural lighting?
- Use opaque materials
  - Reduce all openings
  - Paint darker colors
  - Add larger glazed openings on north side
21. What does a section represent?
- A vertical cut showing interior construction
  - A top view
  - A roof projection
  - A 3D sketch
22. Which symbol marks the location of the sectional cut on a plan?
- Grid bubble
  - Section line with arrows
  - Leader line
  - Dimension line
23. Why are sections drawn in architectural drafting?
- To reveal interior details hidden in other views
  - To replace elevations
  - To reduce plan size
  - For presentation only
24. Why is scale important in sectional drawings?
- To maintain proportional relationships among elements
  - To color walls
  - For artistic impression
  - To enlarge windows
25. You need to show the layers of a concrete slab. Which drawing type will you use?
- Detail note
  - Plan
  - Section
  - Elevation
26. A stair detail showing riser, tread, and landing is best illustrated by:
- Perspective
  - Section
  - Site plan
  - Elevation
27. The ceiling line in section doesn't match the height in the elevation. What's the likely issue?
- Mismatch in vertical dimensions
  - Missing labels
  - Wrong scale
  - Incorrect hatch
28. Which section shows construction clarity and minimal clutter?
- Clearly labeled materials and poche
  - Overlapping hatches
  - Missing notes
  - Complex shading
29. How would you improve a section drawing for presentation?
- Add textures and line weights to distinguish materials
  - Use random colors
  - Omit labels
  - Remove dimensions
30. You are designing a complex roof structure. Which section type would you prepare?
- Offset section
  - Half section
  - Full section only
  - Broken section
31. What is the standard height of a residential door?
- 2.10 m
  - 2.00 m
  - 2.40 m
  - 1.80 m
32. What symbol identifies a window on a floor plan?
- Break in wall line with thin double lines
  - Circle symbol
  - Cross mark
  - Thick continuous line

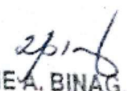


33. Why are windows essential in building design?
- A. To increase wall area
  - B. For natural light and ventilation
  - C. To decorate interiors
  - D. To control noise only
34. Why is proper door placement important?
- A. It saves materials
  - B. It affects circulation and accessibility
  - C. It reduces ceiling height
  - D. It increases wall length
35. You are designing a classroom with strong sunlight on the west side. What window type is ideal?
- A. Fixed glass
  - B. Small shaded awning windows
  - C. Large glass picture windows
  - D. None
36. A designer needs to specify fire-resistant doors. Which material is suitable?
- A. WPC
  - B. Wood
  - C. Aluminum
  - D. UPVC
37. A door in the corridor opens against another. What design flaw occurred?
- A. Poor door swing coordination
  - B. Oversized hinges
  - C. Missing frame
  - D. Wrong material
38. Which window design provides best energy efficiency?
- A. Wooden casement without seal
  - B. ~~Double~~-glazed UPVC with air gap
  - C. ~~Single-pane~~ aluminum
  - D. Open louver
39. You are designing a façade with modern appeal. Which window style will you choose?
- A. Fixed glass panel with aluminum frame
  - B. Steel-barred
  - C. Wooden double-hung
  - D. Arched colonial
40. To improve indoor air quality through design, you would:
- A. Seal all openings
  - B. Block airflow
  - C. Place operable windows on opposite walls for cross-ventilation
  - D. Use small fixed windows

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