



**CHRIST HIGH SCHOOL**



**CHRIST HIGH SCHOOL PLOT 5, CHS  
STREET, KM 32, ABUJA-KEFFI ROAD  
UKE, NASARAWA STATE**

**SECOND TERM  
EXAMINATION 2024/2025  
ACADEMIC SESSION**

**SUBJECT: TECHNICAL DRAWING  
CLASS: SS 2  
TIME: 2 Hours 30 Minutes**

NAME.....

CANDIDATE'S ADMISSION NO.

**INSTRUCTION**

Write your name and number in the space provided on your answer booklet. Write your name on any extra sheet used.

Answer all questions in section A and B.

At the end of the examination, staple all your work securely together.

**FOR EXAMINER'S USE**

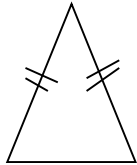
**Total Score:**

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**SUBJECT: TECHNICAL DRAWING:  
SS 2**

**SECTION A: OBJECTIVES**

1. What type of triangle is represented in the diagram below?

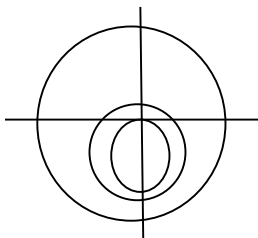


- A. Equilateral
- B. Isosceles
- C. Right-angled
- D. Scalene
- E. Reflex angled

2. A plane figure bounded by three straight lines and three angles is called

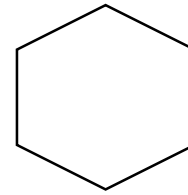
- A. Kite
- B. Trapezium
- C. Parallelogram
- D. Polygon
- E. Triangle

3. The circles drawn below are



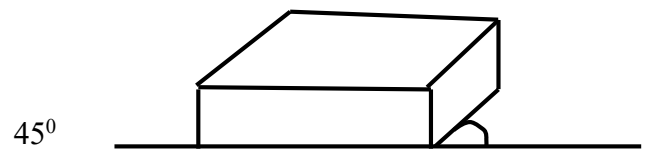
- A. Complimentary
- B. Symmetrical
- C. Eccentric
- D. Perpendicular
- E. Concentric

4. The diagram sketched below represents



- A. Pentagon
- B. Nonagon
- C. Octagon
- D. Hexagon
- E. Heptagon

5. The cuboid sketched below is in ----- drawing.



- A. Isometric
- B. Axonometric
- C. Freehand
- D. Oblique
- E. Perspective

6. Perspicere in Latin word means -----

- A. Railway track
- B. Toiletry
- C. Toiling
- D. Carriage
- E. To see through

7. Perspective drawing is used or applicable in the following places, except

- A. Railway track
- B. Toiling
- C. Highway

- D. Corridor
- E. Group building

8. Prism is a ----- dimensional shape
- A. 10
  - B. 12
  - C. 3
  - D. 5
  - E. 7

9. A point on the horizon where all perspective line meet
- A. Vertically
  - B. Veiled
  - C. Vanishing point
  - D. View point
  - E. Clarity point

10. To bisect means -----
- A. Bring the line together
  - B. Digest across into two
  - C. Divide a line into two equal part
  - D. Mark the line by line
  - E. None of the above

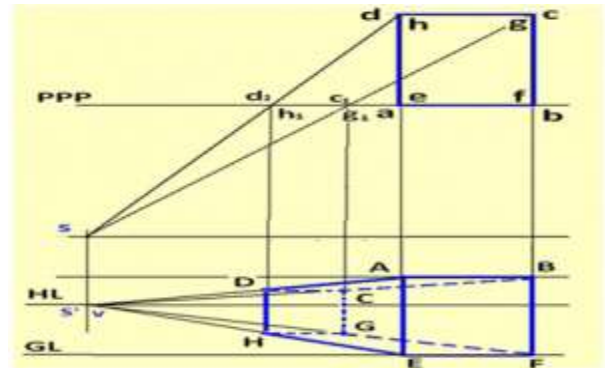
11. A view obtained by a projection on a plane at an angle is referred to as ----
- A. Auxiliary view
  - B. Perspective view
  - C. Angle view
  - D. Fine viewing
  - E. Housing viewing

12. Another name for orthogonal line is -
- A. In action
  - B. In-active
  - C. Precept point
  - D. Base line

- E. Perspective line

13. the act of setting the drawing paper on the board, using drawing instruments is called -----
- A. Title
  - B. Title block
  - C. Board practice
  - D. Drawing
  - E. None of the above

14. The figure below represents \_\_\_\_\_ of a rectangular prism with one face in PPP.



- A. 2- point perspective views
- B. 1-point perspective view
- C. 3- point perspective views
- D. 4- point perspective views
- E. 5- point perspective views

15. ----- type of line is used for projection and construction of lines in technical drawing
- A. Thick lines
  - B. Wavy line
  - C. Land line
  - D. Mark line
  - E. Thin line

16. An auxiliary view is use to produce one of the following view
- Transitional
  - Horizontal line image
  - Cloud hint
  - True size of angle between a line and plane
  - Picture frames

17. Auxiliary view is used to show the true shape or true angle of feature that appear distorted in the regular view.
- True
  - No
  - False
  - Not true
  - Lie

18. When all the parallel line on the right side of the building meet at the right varnishing point, what type of perspective drawing is that?
- One-point
  - Two-point
  - High-point
  - Low-point
  - Off-point

19. In an auxiliary view, the secondary auxiliary view is obtained from -----
- Universal view
  - profile view
  - Primary view
  - Principle view
  - Prime view

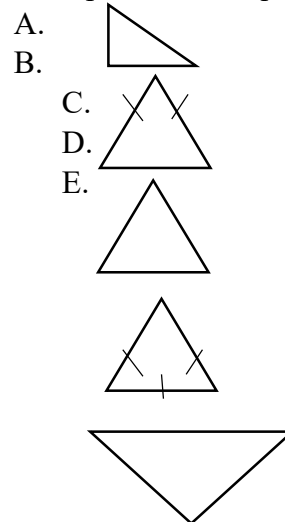
20. ----- is a polygon with six side
- Pentagon
  - Nonagon
  - Quadrilateral
  - Hexagon

E. Heptagon

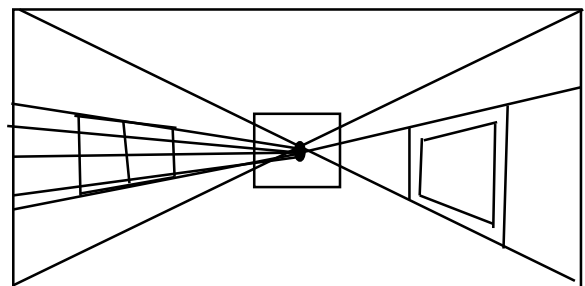
21. Horizon line are also called
- Imaginary
  - Parallelogram
  - Image
  - Show side
  - Slide shows

22. In technical drawing, the margin line or boarder line is usually drawn with distance from the edge of the drawing paper as ---
- 100mm
  - 10mm
  - 1mm
  - 10cm
  - 10kilometer

23. Which of the following correctly represents an equilateral triangle



24. The type of drawing shown below is

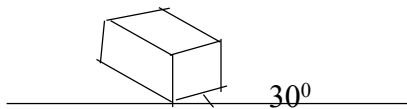


- A. Auxiliary
- B. Orthographic
- C. Isometric
- D. Perspective
- E. Oblique

25. Which of these is used for outlining?

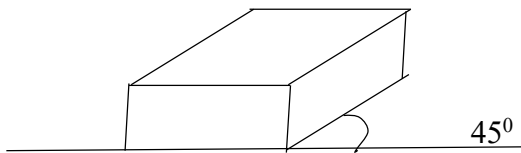
- A. \_\_\_\_\_
- B. \_\_\_\_\_
- C. \_\_\_\_\_
- D. \_\_\_\_\_
- E. \_\_\_\_\_

26. The block drawn below is in ----- projection.



- A. Auxiliary
- B. Isometric
- C. Oblique
- D. Orthographic
- E. Perspective

27. The box drawn below is in ----- projection.



- A. Cabinet
- B. Isometric
- C. Orthographic
- D. Oblique
- E. Perspective

28. The margin line is also called -----

- A. Straight line

- B. Boarder line
- C. Diagonal line
- D. Slanted line
- E. View point

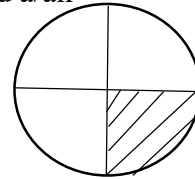
29. The border line drawn from the -----  
-- edge of the drawing paper.

- A. Outside
- B. Inside
- C. Upper
- D. Lower
- E. Middle center

30. The title block in technical drawing  
is created at the bottom ----- side  
of the drawing paper.

- A. Left hand
- B. Left side
- C. Right hand
- D.
- E. None of the above

31. The sectional part of the circle below  
is called a/an



- A. Chord
- B. Arch
- C. Quadrant
- D. Sector
- E. Segment

32. Protractor is a drawing instrument  
used for

- A. Bisecting angle
- B. Drawing straight line
- C. Drawing inclined lines
- D. Transferring measurement
- E. Measuring angles

33. An angle that is greater than  $90^0$  but less than  $180^0$  is called

- A. Reflex
- B. Alternate
- C. Corresponding
- D. Obtuse
- E. Acute

34. A plane figure bounded by seven straight lines is called

- A. Hexagon
- B. Nonagon
- C. Octagon
- D. Pentagon
- E. Heptagon

35. How many faces has a cuboid?

- A. 12
- B. 8
- C. 10
- D. 6
- E. 4

36. In isometric projection, receding lines are drawn at ----- degrees to the horizontal lines.

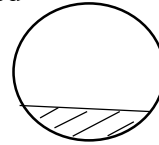
- A. 45
- B. 60
- C. 75
- D. 30
- E. 15

37. Auxiliary view is used to show the true shape or true angle of feature

that appear distorted in the regular view.

- A. True
- B. No
- C. False
- D. Not true
- E. Lie

38. The part of the circle marked 'X' is called



- A. Chord
- B. Circumference
- C. Quadrant
- D. Sector
- E. Segment

39. The following are part of a circle except

- A. Chord
- B. Diameter
- C. Section
- D. Sector
- E. Segment

40. Continues thick line is used for

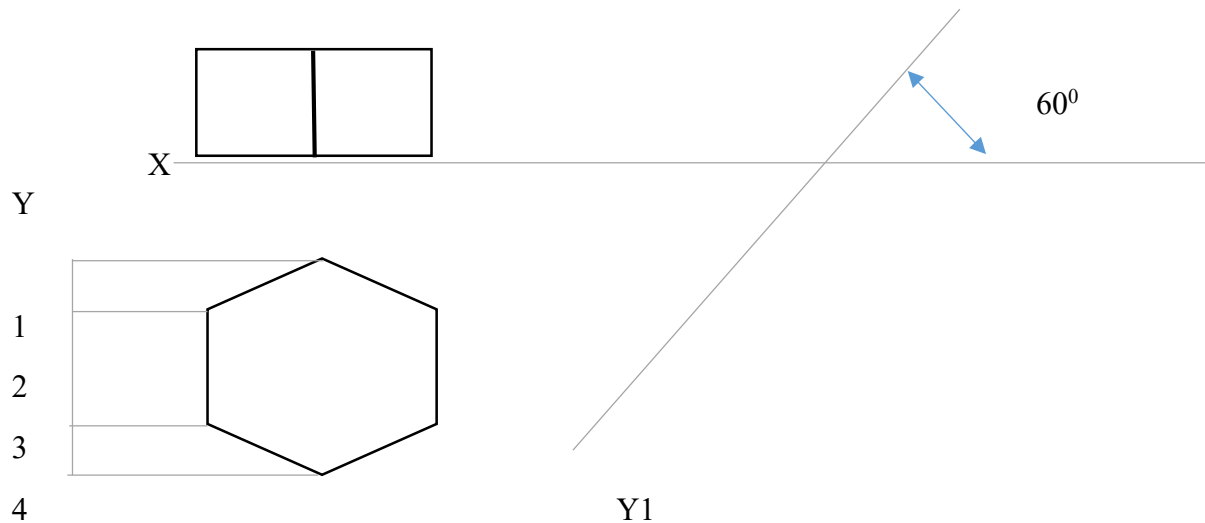
- A. Center line
- B. Cutting plane
- C. Leader
- D. Projection
- E. Outline

## SECTION 'B'

### INSTRUCTION: Answer all question

1a. Define auxiliary view and state the two types of auxiliary view. **5MKS 5MKS**

1b. The front elevation and the plan of a horizontal prism are shown. Draw an auxiliary plan on the ground line X1Y1. **X1**



2a Define perspective drawing and list out two example of perspective drawing

2b. Draw a neat diagram showing two vanishing point. **5MKS**

3. write short note on the following:

- a. Horizon line
- b. Parallel line
- c. Vanishing point
- d. Diminishing point
- e. Stationary point . **5MKS**

4.a Define CAD and state three uses of CAD

b. List any ten tools/commands in CAD. **5MKS**

5. A hexagonal pyramid of base 30mm sides and axis 60mm long, is truncated at a height of 25mm to the base . Draw is auxiliary projection. **5MKS**