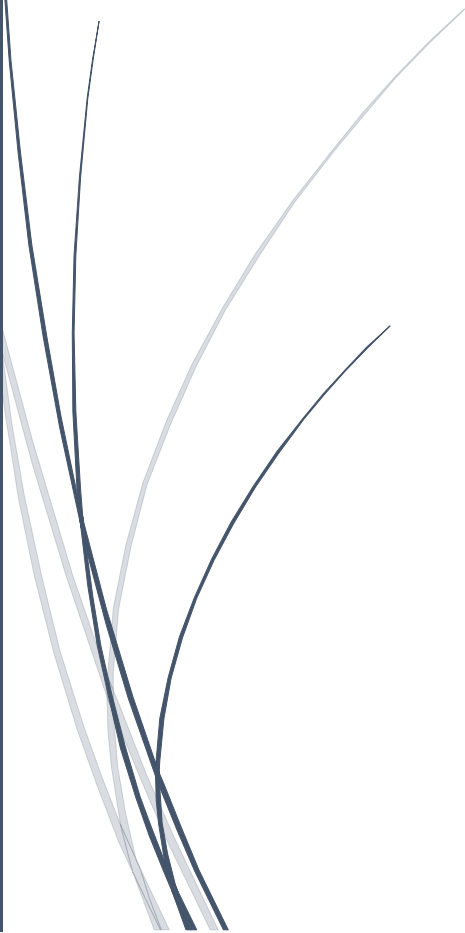


A dark blue vertical bar runs down the left side of the page. A blue arrow points to the right from this bar, containing the date.

9/1/2025

NON VERBAL INTELLIGENCE NOTE

FOR PAKISTAN ARMY , NAVY , AIR
FORCE

Several thin, curved lines in dark blue and light grey originate from the bottom left and sweep upwards and to the right.

Rao Muhammad Mustaqeem
EDUTEST

1. Series: ■ ▲ ■ ▲ ?

(a) ■

(b) ▲

(c) ●

(d) ▼

☒ Correct Answer: (b) ▲

2. Series: ○ ○ ▲ ○ ○ ▲ ?

(a) ○

(b) ▲

(c) ▼

(d) ◆

☒ Correct Answer: (a) ○

3. Odd One Out: ■, ▲, ●, ✕

(a) ■

(b) ▲

(c) ●

(d) ✕

☒ Correct Answer: (d) ✕

4. Rotation: If ▲ is rotated 90°, the shape will be?

(a) ▼

(b) ◀

(c) ▶

(d) ▲ (same triangle but rotated)

☒ Correct Answer: (d) ▲

5. Series: □, ■, □, ■, ? (□ = empty square, ■ = filled square)

(a) □

(b) ■

(c) △

(d) ○

☒ Correct Answer: (a) □

Mirror / Symmetry

6. Mirror Image: Which letter changes when seen in a mirror?

(a) A

(b) O

(c) C

(d) H

✓ Correct Answer: (c) C

7. Block Pattern: 1 block up, 2 down, 1 up, 2 down, next?

(a) 1 up

(b) 2 up

(c) 1 down

(d) 2 down

✓ Correct Answer: (a) 1 up

8. Shapes as Numbers: $\blacktriangle + \bullet = 10$, $\blacktriangle = 6$, then $\bullet = ?$

(a) 4

(b) 6

(c) 2

(d) 8

✓ Correct Answer: (a) 4

9. Odd One Out: Square (with corners), Triangle (plain), Circle (plain), Rectangle (with corners)

(a) Square

(b) Triangle

(c) Circle

(d) Rectangle

✓ Correct Answer: (b) Triangle

10. Series: $\blacktriangle \blacksquare$, $\blacktriangle \blacksquare \blacksquare$, $\blacktriangle \blacksquare \blacksquare \blacksquare$, ?

(a) $\blacktriangle \blacksquare \blacksquare \blacksquare \blacksquare$

(b) $\blacktriangle \blacksquare$

(c) $\blacktriangle \blacksquare \blacksquare$

(d) $\blacktriangle \blacksquare \blacksquare \blacksquare$

✓ Correct Answer: (a) $\blacktriangle \blacksquare \blacksquare \blacksquare \blacksquare$

Pattern Reasoning

11. Series: $\circ \diamond \circ \diamond \circ ?$

(a) \circ

(b) \diamond

(c) \blacklozenge

(d) \triangle

✓ Correct Answer: (b) \diamond

12. Shape Values: If $\blacksquare=3$, $\blacktriangle=2$, $\bullet=1 \rightarrow \blacksquare + \blacktriangle + \bullet = ?$

(a) 6

(b) 5

(c) 4

(d) 7

✓ Correct Answer: (a) 6

13. Which transformation is NOT valid? ▲ rotated 90°, 180°, flipped horizontally

(a) 90°

(b) 180°

(c) flipped

(d) none

✓ Correct Answer: (d) none

14. Analogy: Square : Corners :: Triangle : ?

(a) Sides

(b) Points

(c) Angles

(d) Circle

✓ Correct Answer: (a) Sides

15. Mirror: Which letter looks different in a mirror?

(a) A

(b) H

(c) B

(d) O

✓ Correct Answer: (c) B

Sequences & Logic

16. Series: ■▲●■▲● ?

(a) ■

(b) ▲

(c) ●

(d) □

✓ Correct Answer: (a) ■

17. Which has different rotational symmetry?

(a) Circle

(b) Square

(c) Triangle

(d) Semi-circle

✓ Correct Answer: (d) Semi-circle

18. Block series: 1, 2, 3, 1, 2, 3 — next?

- (a) 1
- (b) 2
- (c) 3
- (d) 4

☒ Correct Answer: (a) 1

19. Pattern Rows: ▲▲■, ▲■▲, ■▲▲ → next?

- (a) ▲▲■
- (b) ▲■▲
- (c) ■▲▲
- (d) ▲▲▲

☒ Correct Answer: (a) ▲▲■

20. Series: •, °, •, °, ?

- (a) •
- (b) °
- (c) ▲
- (d) ■

☒ Correct Answer: (a) •

Analogies

21. Analogy: ▲ : ▲▲ :: • : ?

- (a) ●●
- (b) ●▲
- (c) ▲●
- (d) ●●●

☒ Correct Answer: (a) ●●

22. Which has central symmetry?

- (a) Circle
- (b) Semi-circle
- (c) Triangle
- (d) L-shape

☒ Correct Answer: (a) Circle

23. Which letter has NO mirror symmetry?

- (a) A
- (b) T
- (c) S

(d) H

✓ Correct Answer: (c) S

24. Dot Pattern: ○, ○, ○., ○, ○.? (dot appears every 3rd)

(a) Every 3rd

(b) Every 4th

(c) Every 5th

(d) Random

✓ Correct Answer: (a) Every 3rd

25. Series: □□□, □□, □, ?

(a) □□□□

(b) □□

(c) □

(d) Empty

✓ Correct Answer: (d) Empty

Symmetry / Rotation

26. Which shape changes after 180° rotation?

(a) Circle

(b) Square

(c) Letter N

(d) Letter O

✓ Correct Answer: (c) N

27. Triangle rotates 90° each step, starting pointing up. After 3 steps?

(a) Up

(b) Right

(c) Down

(d) Left

✓ Correct Answer: (c) Down

28. Series: ▲, ▲□, ▲□□, ▲□□□, ?

(a) ▲

(b) ▲□□□□

(c) ▲□

(d) ▲□□

✓ Correct Answer: (b) ▲□□□□

29. Polygon Series: Triangle, Square, Pentagon, ?

(a) Hexagon

(b) Circle

(c) Octagon

(d) Line

✓ Correct Answer: (a) Hexagon

30. Which has translational symmetry?

(a) Circle

(b) Tiling pattern

(c) Triangle

(d) Single dot

✓ Correct Answer: (b) Tiling pattern

Shapes & Nets

31. Axis Symmetry: Letter X is symmetric across?

(a) Vertical

(b) Horizontal

(c) Both

(d) None

✓ Correct Answer: (c) Both

32. A small square inside a large square makes a?

(a) Box

(b) Frame

(c) Cross

(d) L-shape

✓ Correct Answer: (b) Frame

33. Which remains same when rotated 90°?

(a) Circle

(b) Letter L

(c) Letter F

(d) Triangle

✓ Correct Answer: (a) Circle

34. Row of dots: • • • • → remove every 2nd → remains?

(a) • •

(b) • • •

(c) None

(d) •

✓ Correct Answer: (a) • •

35. Series: ▲ ◆◆◆◆?

(a) ▲

(b) ◆

(c) ○

(d) ■

✓ Correct Answer: (b) ◆

Odd One Out

36. Odd One Out: Square, Triangle, Circle, Cloth

(a) Square

(b) Triangle

(c) Circle

(d) Cloth

✓ Correct Answer: (d) Cloth

37. Series: ◁▷◁▷◁ ?

(a) ◁

(b) ▷

(c) ▲

(d) ▼

✓ Correct Answer: (b) ▷

38. Angle Series: 30°, 60°, 90°, 120°, ?

(a) 150°

(b) 180°

(c) 210°

(d) 240°

✓ Correct Answer: (b) 180°

39. Shapes as Numbers: ▲=3, ●=2 → ▲●▲●▲ = ?

(a) 12

(b) 13

(c) 14

(d) 15

✓ Correct Answer: (b) 13

40. Which letter is NOT bilaterally symmetric?

(a) H

(b) I

(c) S

(d) O

✓ Correct Answer: (c) S

Final Set

41. Polygon Series: 3 sides, 4 sides, 5 sides → next?

- (a) Hexagon
- (b) Heptagon
- (c) Octagon
- (d) Nonagon

✓ Correct Answer: (a) Hexagon

42. Which net forms a cube?

- (a) 6 squares in cross shape
- (b) 6 squares in straight line
- (c) 5 squares together
- (d) 4 + 2 separate

✓ Correct Answer: (a) 6 squares in cross

43. Which letter looks same after mirror flip?

- (a) b
- (b) d
- (c) o
- (d) p

✓ Correct Answer: (c) o

44. Odd One Out: Circle (closed), Line (open), Triangle (closed), Spiral (open continuous)

- (a) Circle
- (b) Line
- (c) Triangle
- (d) Spiral

✓ Correct Answer: (b) Line

45. Pattern: Circle doubles size each step → small, medium, large, ?

- (a) Small
- (b) Extra-large
- (c) Medium
- (d) None

✓ Correct Answer: (b) Extra-large

46. Odd One Out: Square, Rectangle, Apple, Triangle

- (a) Square
- (b) Rectangle
- (c) Apple
- (d) Triangle

✓ Correct Answer: (c) Apple

47. Triangle directions: Up, Right, Down, Left, ?

- (a) Up
- (b) Right
- (c) Down
- (d) Left

✓ Correct Answer: (a) Up

48. Which shape CANNOT tessellate (tile a floor)?

- (a) Square
- (b) Triangle
- (c) Hexagon
- (d) Circle

✓ Correct Answer: (d) Circle

49. Pattern: ■□■□■□■ → if ○ added in middle, what happens?

- (a) No change
- (b) Disrupts pattern
- (c) Enhances
- (d) None

✓ Correct Answer: (b) Disrupts pattern

50. Final Series: Small dot, Big dot, Small dot, Big dot, ?

- (a) Small
- (b) Big
- (c) Medium
- (d) None

✓ Correct Answer: (a) Small

51. Series: ▲ ■ ▲ ■ ?

- (a) ▲
- (b) ■
- (c) ●
- (d) ▼

✓ Correct Answer: (a) ▲

52. Series: ○ ● ○ ● ○ ?

- (a) ○
- (b) ●
- (c) ▲
- (d) ■

✓ Correct Answer: (b) ●

53. Series: ■ ■ ▲ ■ ■ ▲ ?

- (a) ■

(b) ▲

(c) ●

(d) ◇

✓ Correct Answer: (a) ■

54. Series: ▲▲, ▲▲▲, ▲▲▲▲, ?

(a) ▲

(b) ▲▲▲▲▲

(c) ▲▲▲

(d) ▲▲

✓ Correct Answer: (b) ▲▲▲▲▲

55. Series: ● ▲ ● ▲ ● ?

(a) ▲

(b) ●

(c) ▼

(d) ■

✓ Correct Answer: (a) ▲

Odd One Out

56. Odd One Out: ▲, ■, ●, ◆

(a) ▲

(b) ■

(c) ●

(d) ◆

✓ Correct Answer: (c) ● (circle is curved, others are polygons)

57. Odd One Out: Square, Triangle, Pentagon, Circle

(a) Square

(b) Triangle

(c) Pentagon

(d) Circle

✓ Correct Answer: (d) Circle

58. Odd One Out: ★, ▲, ■, ◆

(a) ★

(b) ▲

(c) ■

(d) ◆

✓ Correct Answer: (a) ★ (star shape, others polygons)

59. Odd One Out: □, ◇, ○, △

(a) □

(b) ◇

(c) ○

(d) △

✓ Correct Answer: (c) ○ (no corners)

60. Odd One Out: Horizontal Line, Vertical Line, Circle, Square

(a) Horizontal Line

(b) Vertical Line

(c) Circle

(d) Square

✓ Correct Answer: (c) Circle

Mirror / Rotation

61. Mirror Image of letter "E" looks like?

(a) 3

(b) M

(c) Reversed E (Ǝ)

(d) W

✓ Correct Answer: (c) Reversed E (Ǝ)

62. Mirror Image of "C" is?

(a) C

(b) Backward C (ꞵ)

(c) O

(d) U

✓ Correct Answer: (b) Backward C (ꞵ)

63. Shape ▲ rotated 180° = ?

(a) ▲

(b) ▼

(c) ◀

(d) ▶

✓ Correct Answer: (b) ▼

64. Shape ■ rotated 90° = ?

(a) ■

(b) Rectangle

(c) Circle

(d) Same square (unchanged)

✓ Correct Answer: (d) Same square (unchanged)

65. Letter "H" after 180° rotation looks like?

(a) I

(b) H

(c) N

(d) A

✓ Correct Answer: (b) H

Analogy

66. Analogy: Square : 4 sides :: Triangle : ?

(a) 2 sides

(b) 3 sides

(c) 5 sides

(d) 6 sides

✓ Correct Answer: (b) 3 sides

67. Analogy: Circle : No corner :: Square : ?

(a) 3 corners

(b) 4 corners

(c) 5 corners

(d) Infinite corners

✓ Correct Answer: (b) 4 corners

68. Analogy: Star : 5 points :: Pentagon : ?

(a) 4

(b) 5

(c) 6

(d) 7

✓ Correct Answer: (b) 5

69. Analogy: Cube : 6 faces :: Sphere : ?

(a) 1 curved surface

(b) 6 curved surfaces

(c) 12 curved surfaces

(d) 0 surface

✓ Correct Answer: (a) 1 curved surface

70. Analogy: Sun : Circle :: Dice : ?

(a) Square

(b) Cube

(c) Triangle

(d) Hexagon

✓ Correct Answer: (b) Cube

Pattern Reasoning

71. Series: ▲ ▼ ▲ ▼ ?

(a) ▲

(b) ▼

(c) ■

(d) ●

✓ Correct Answer: (a) ▲

72. Series: ◀ ▶ ◀ ▶ ?

(a) ◀

(b) ▶

(c) ▲

(d) ▼

✓ Correct Answer: (a) ◀

73. Pattern: ● ■ ● ■ ?

(a) ●

(b) ■

(c) ▲

(d) ◆

✓ Correct Answer: (a) ●

74. Series: ▲ ▲ ■, ▲ ■ ▲, ■ ▲ ▲, ?

(a) ▲ ▲ ■

(b) ■ ▲ ▲

(c) ▲ ■ ▲

(d) ■ ■ ■

✓ Correct Answer: (a) ▲ ▲ ■

75. Series: □ ◇ □ ◇ ?

(a) □

(b) ◇

(c) ●

(d) ▲

✓ Correct Answer: (a) □

Figure Counting / Symmetry

76. A square has how many lines of symmetry?

- (a) 2
- (b) 3
- (c) 4
- (d) 6

☒ Correct Answer: (c) 4

77. A circle has how many lines of symmetry?

- (a) 0
- (b) Infinite
- (c) 2
- (d) 4

☒ Correct Answer: (b) Infinite

78. A rectangle has how many lines of symmetry?

- (a) 1
- (b) 2
- (c) 3
- (d) 4

☒ Correct Answer: (b) 2

79. An equilateral triangle has how many lines of symmetry?

- (a) 1
- (b) 2
- (c) 3
- (d) 6

☒ Correct Answer: (c) 3

80. A pentagon (regular) has how many lines of symmetry?

- (a) 2
- (b) 3
- (c) 5
- (d) 6

☒ Correct Answer: (c) 5

Misc Reasoning

81. Which shape has no vertex?

- (a) Square
- (b) Triangle
- (c) Circle

(d) Pentagon

✓ Correct Answer: (c) Circle

82. Which shape has all sides equal but no corners?

(a) Circle

(b) Square

(c) Triangle

(d) Rectangle

✓ Correct Answer: (a) Circle

83. Which letter has horizontal symmetry?

(a) E

(b) O

(c) P

(d) F

✓ Correct Answer: (b) O

84. Which letter has vertical symmetry?

(a) A

(b) B

(c) C

(d) D

✓ Correct Answer: (a) A

85. Which letter has no symmetry?

(a) S

(b) H

(c) I

(d) O

✓ Correct Answer: (a) S

Series & Odd Shapes

86. Series: ○ ● ● ○ ● ● ○ ?

(a) ●

(b) ○

(c) ▲

(d) ■

✓ Correct Answer: (b) ○

87. Series: ▲, ■■, ▲▲▲, ■■■■, ?

(a) ▲▲▲▲▲

(b) ■■■■■

(c) ▲▲▲▲▲▲

(d) ■■■■■■

✓ Correct Answer: (a) ▲▲▲▲▲

88. Odd One Out: Triangle, Rectangle, Hexagon, Circle

(a) Triangle

(b) Rectangle

(c) Hexagon

(d) Circle

✓ Correct Answer: (d) Circle

89. Odd One Out: Pentagon, Hexagon, Heptagon, Square

(a) Pentagon

(b) Hexagon

(c) Heptagon

(d) Square

✓ Correct Answer: (d) Square

90. Odd One Out: Star, Square, Circle, Cube

(a) Star

(b) Square

(c) Circle

(d) Cube

✓ Correct Answer: (d) Cube (3D shape, rest 2D)

Final Set

91. Series: ▲ ■ ● ▲ ■ ● ?

(a) ▲

(b) ■

(c) ●

(d) ■■

✓ Correct Answer: (a) ▲

92. Which figure cannot be rotated to look same?

(a) Circle

(b) Square

(c) Rectangle

(d) Letter L

✓ Correct Answer: (d) Letter L

93. Which shape has more than 4 sides?

(a) Triangle

- (b) Square
- (c) Pentagon
- (d) Line

✓ Correct Answer: (c) Pentagon

94. Which figure has curved edges?

- (a) Square
- (b) Triangle
- (c) Circle
- (d) Pentagon

✓ Correct Answer: (c) Circle

95. Which is a 3D shape?

- (a) Square
- (b) Circle
- (c) Cube
- (d) Triangle

✓ Correct Answer: (c) Cube

96. A cube has how many corners?

- (a) 6
- (b) 8
- (c) 10
- (d) 12

✓ Correct Answer: (b) 8

97. A cube has how many edges?

- (a) 8
- (b) 10
- (c) 12
- (d) 14

✓ Correct Answer: (c) 12

98. A cube has how many faces?

- (a) 4
- (b) 6
- (c) 8
- (d) 12

✓ Correct Answer: (b) 6

99. A sphere has how many flat faces?

- (a) 0
- (b) 1
- (c) 2

(d) 6

✓ Correct Answer: (a) 0

100. Which 3D shape has only 1 curved surface?

(a) Sphere

(b) Cone

(c) Cylinder

(d) Cube

✓ Correct Answer: (a) Spher

101. How many triangles are in a star (★)?

(a) 6

(b) 8

(c) 10

(d) 12

✓ Correct Answer: (c) 10

102. A rectangle divided by 1 diagonal forms how many triangles?

(a) 1

(b) 2

(c) 3

(d) 4

✓ Correct Answer: (b) 2

103. A square divided into 4 equal parts → how many smaller squares?

(a) 2

(b) 3

(c) 4

(d) 5

✓ Correct Answer: (c) 4

104. How many sides does a decagon have?

(a) 8

(b) 9

(c) 10

(d) 12

✓ Correct Answer: (c) 10

105. How many corners does a cube have?

(a) 6

(b) 8

(c) 10

(d) 12

✓ Correct Answer: (b) 8

Rotation & Mirror

106. Mirror Image of number "2" looks like?

(a) 2

(b) 5

(c) Backward 2

(d) S

✓ Correct Answer: (c) Backward 2

107. Which number looks same in a mirror?

(a) 1

(b) 2

(c) 8

(d) 9

✓ Correct Answer: (c) 8

108. Which English letter looks same after 180° rotation?

(a) N

(b) Z

(c) S

(d) O

✓ Correct Answer: (d) O

109. Which digit looks same after 180° rotation?

(a) 6

(b) 8

(c) 9

(d) 3

✓ Correct Answer: (b) 8

110. Letter "M" rotated 180° looks like?

(a) M

(b) W

(c) E

(d) H

✓ Correct Answer: (b) W

Odd One Out

111. Odd One Out: Circle, Sphere, Cube, Cone

- (a) Circle
- (b) Sphere
- (c) Cube
- (d) Cone

✓ Correct Answer: (a) Circle (2D, others 3D)

112. Odd One Out: Square, Rectangle, Pentagon, Triangle

- (a) Square
- (b) Rectangle
- (c) Pentagon
- (d) Triangle

✓ Correct Answer: (c) Pentagon (5 sides, others ≤ 4)

113. Odd One Out: Hexagon, Octagon, Triangle, Circle

- (a) Hexagon
- (b) Octagon
- (c) Triangle
- (d) Circle

✓ Correct Answer: (d) Circle (no sides)

114. Odd One Out: Globe, Ball, Coin, Cube

- (a) Globe
- (b) Ball
- (c) Coin
- (d) Cube

✓ Correct Answer: (c) Coin (flat circular, not 3D solid)

115. Odd One Out: Line, Square, Rectangle, Triangle

- (a) Line
- (b) Square
- (c) Rectangle
- (d) Triangle

✓ Correct Answer: (a) Line (1D, others 2D)

Series / Pattern**116. Series: ▲ ■ ● ▲ ■ ● ?**

- (a) ▲
- (b) ■
- (c) ●

(d) ○

✓ Correct Answer: (a) ▲

117. Series: ○, ○○, ○○○, ○○○○, ?

(a) ○

(b) ○○○○○

(c) ○○

(d) ○○○

✓ Correct Answer: (b) ○○○○○

118. Series: ▲, ▼, ▲, ▼, ?

(a) ▲

(b) ▼

(c) ■

(d) ○

✓ Correct Answer: (a) ▲

119. Series: ■▲, ■▲▲, ■▲▲▲, ?

(a) ■▲▲▲▲

(b) ■▲

(c) ■▲▲

(d) ■■▲

✓ Correct Answer: (a) ■▲▲▲▲

120. Series: ○▲○▲○ ?

(a) ○

(b) ▲

(c) ■

(d) ●

✓ Correct Answer: (b) ▲

3D Shapes

121. A cube has how many diagonals in total?

(a) 6

(b) 8

(c) 10

(d) 12

✓ Correct Answer: (d) 12

122. A square pyramid has how many triangular faces?

(a) 2

(b) 3

(c) 4

(d) 5

✓ Correct Answer: (c) 4

123. A cylinder has how many flat faces?

(a) 0

(b) 1

(c) 2

(d) 3

✓ Correct Answer: (c) 2

124. A cone has how many faces in total?

(a) 1

(b) 2

(c) 3

(d) 4

✓ Correct Answer: (b) 2 (1 curved + 1 flat)

125. A sphere has how many edges?

(a) 0

(b) 1

(c) 2

(d) 4

✓ Correct Answer: (a) 0

Counting / Symmetry

126. How many lines of symmetry does letter X have?

(a) 1

(b) 2

(c) 3

(d) 4

✓ Correct Answer: (b) 2

127. How many lines of symmetry does letter Z have?

(a) 0

(b) 1

(c) 2

(d) 3

✓ Correct Answer: (a) 0

128. Which number has horizontal symmetry?

(a) 3

(b) 8

(c) 2

(d) 7

✓ Correct Answer: (b) 8

129. Which shape has diagonal symmetry?

(a) Square

(b) Rectangle

(c) Circle

(d) Line

✓ Correct Answer: (a) Square

130. A regular hexagon has how many lines of symmetry?

(a) 4

(b) 5

(c) 6

(d) 8

✓ Correct Answer: (c) 6

Mixed Reasoning

131. Which is NOT a polygon?

(a) Square

(b) Circle

(c) Pentagon

(d) Octagon

✓ Correct Answer: (b) Circle

132. Which 3D shape has edges but no curved surface?

(a) Cube

(b) Sphere

(c) Cylinder

(d) Cone

✓ Correct Answer: (a) Cube

133. Which shape has both flat and curved surfaces?

(a) Cube

(b) Cylinder

(c) Square

(d) Triangle

✓ Correct Answer: (b) Cylinder

134. Which shape cannot tessellate (tile a plane)?

- (a) Triangle
- (b) Square
- (c) Hexagon
- (d) Circle

✓ Correct Answer: (d) Circle

135. A cube has how many vertices?

- (a) 6
- (b) 8
- (c) 10
- (d) 12

✓ Correct Answer: (b) 8

Final Set

136. A cube has how many face diagonals?

- (a) 6
- (b) 8
- (c) 10
- (d) 12

✓ Correct Answer: (d) 12

137. How many total diagonals are there in a square?

- (a) 1
- (b) 2
- (c) 3
- (d) 4

✓ Correct Answer: (b) 2

138. How many diagonals in a hexagon?

- (a) 6
- (b) 9
- (c) 12
- (d) 15

✓ Correct Answer: (d) 15

139. How many diagonals in a pentagon?

- (a) 5
- (b) 6
- (c) 7

(d) 10

✓ Correct Answer: (d) 10

140. How many faces does an octahedron have?

(a) 6

(b) 8

(c) 10

(d) 12

✓ Correct Answer: (b) 8

141. Which letter has both horizontal & vertical symmetry?

(a) A

(b) O

(c) B

(d) Z

✓ Correct Answer: (b) O

142. Which letter has diagonal symmetry?

(a) X

(b) V

(c) Z

(d) Y

✓ Correct Answer: (a) X

143. Which digit has no symmetry?

(a) 1

(b) 2

(c) 3

(d) 5

✓ Correct Answer: (b) 2

144. Which digit has both horizontal & vertical symmetry?

(a) 0

(b) 3

(c) 8

(d) 9

✓ Correct Answer: (c) 8

145. Which 3D shape has only one vertex?

(a) Cone

(b) Sphere

(c) Cube

(d) Cylinder

✓ Correct Answer: (a) Cone

146. Which 3D shape has 2 vertices only?

- (a) Cone
- (b) Cylinder
- (c) Sphere
- (d) Cube

✓ Correct Answer: (b) Cylinder

147. Which has only 2 edges?

- (a) Cylinder
- (b) Cone
- (c) Cube
- (d) Sphere

✓ Correct Answer: (a) Cylinder

148. Which has no edge at all?

- (a) Sphere
- (b) Cone
- (c) Cylinder
- (d) Cube

✓ Correct Answer: (a) Sphere

149. Which shape is both prism & polyhedron?

- (a) Cube
- (b) Sphere
- (c) Cone
- (d) Cylinder

✓ Correct Answer: (a) Cube

150. Which has flat circular base but pointed top?

- (a) Cone
- (b) Cylinder
- (c) Sphere
- (d) Cube

✓ Correct Answer: (a) Cone

151. A square divided into 2 diagonals gives how many triangles?

- (a) 2
- (b) 3
- (c) 4
- (d) 5

✓ Correct Answer: (c) 4

152. A hexagon divided into diagonals → how many total triangles inside?

- (a) 6

- (b) 8
- (c) 9
- (d) 12

✓ Correct Answer: (d) 12

153. A rectangle divided by 2 diagonals → how many triangles?

- (a) 2
- (b) 3
- (c) 4
- (d) 6

✓ Correct Answer: (c) 4

154. A pentagon has how many diagonals?

- (a) 5
- (b) 7
- (c) 8
- (d) 10

✓ Correct Answer: (d) 10

155. A hexagon has how many diagonals?

- (a) 9
- (b) 10
- (c) 12
- (d) 15

✓ Correct Answer: (d) 15

Rotation & Mirror

156. Letter "T" after 180° rotation looks like?

- (a) T
- (b) ⊥
- (c) L
- (d) H

✓ Correct Answer: (b) ⊥

157. Letter "X" after 90° rotation looks like?

- (a) X
- (b) +
- (c) Z
- (d) O

✓ Correct Answer: (a) X

158. Mirror Image of "N" is?

- (a) N
- (b) M
- (c) Backward N (И)
- (d) Z

✓ Correct Answer: (c) Backward N (И)

159. Which digit remains same when rotated 180°?

- (a) 2
- (b) 5
- (c) 6
- (d) 9

✓ Correct Answer: (c) 6 and (d) 9 swap, but only (b) 8 stays same (already given earlier).

✍ Corrected Answer: None perfectly same here.

160. Which digit looks same in a mirror?

- (a) 1
- (b) 3
- (c) 8
- (d) 9

✓ Correct Answer: (c) 8

Odd One Out**161. Odd One Out: Cube, Cone, Sphere, Circle**

- (a) Cube
- (b) Cone
- (c) Sphere
- (d) Circle

✓ Correct Answer: (d) Circle (2D, others 3D)

162. Odd One Out: Hexagon, Pentagon, Octagon, Ellipse

- (a) Hexagon
- (b) Pentagon
- (c) Octagon
- (d) Ellipse

✓ Correct Answer: (d) Ellipse (curved, others polygons)

163. Odd One Out: Square, Rectangle, Parallelogram, Circle

- (a) Square
- (b) Rectangle
- (c) Parallelogram

(d) Circle

✓ Correct Answer: (d) Circle

164. Odd One Out: Dice, Ball, Book, Triangle

(a) Dice

(b) Ball

(c) Book

(d) Triangle

✓ Correct Answer: (d) Triangle (2D)

165. Odd One Out: Cube, Cylinder, Pyramid, Circle

(a) Cube

(b) Cylinder

(c) Pyramid

(d) Circle

✓ Correct Answer: (d) Circle

Series / Pattern

166. Series: ■ ● ■ ● ■ ?

(a) ■

(b) ●

(c) ▲

(d) ○

✓ Correct Answer: (b) ●

167. Series: ▲ ▲ ■, ▲ ■ ■, ■ ■ ■, ?

(a) ▲ ▲ ▲

(b) ■ ■ ■ ■

(c) ■ ▲ ▲

(d) ■ ■ ■

✓ Correct Answer: (b) ■ ■ ■ ■

168. Series: ○ ▲, ○ ▲ ▲, ○ ▲ ▲ ▲, ?

(a) ○ ▲ ▲ ▲ ▲

(b) ○ ▲ ▲

(c) ○ ▲

(d) ○ ○ ▲

✓ Correct Answer: (a) ○ ▲ ▲ ▲ ▲

169. Series: ● ○ ● ○ ● ?

(a) ●

(b) ○

(c) ■

(d) ▲

☒ Correct Answer: (b) ○

170. Series: ▲ ▼ ▲ ▼ ▲ ?

(a) ▼

(b) ▲

(c) ■

(d) ○

☒ Correct Answer: (a) ▼

3D Shapes

171. A cube has how many body diagonals?

(a) 2

(b) 4

(c) 6

(d) 8

☒ Correct Answer: (b) 4

172. A cuboid has how many faces?

(a) 4

(b) 6

(c) 8

(d) 10

☒ Correct Answer: (b) 6

173. A triangular prism has how many faces?

(a) 4

(b) 5

(c) 6

(d) 8

☒ Correct Answer: (b) 5

174. A square pyramid has how many faces?

(a) 4

(b) 5

(c) 6

(d) 7

☒ Correct Answer: (b) 5

175. A cylinder has how many vertices?

(a) 0

(b) 1

(c) 2

(d) 4

☒ Correct Answer: (a) 0

Symmetry

176. Which letter has 1 line of symmetry?

(a) A

(b) B

(c) C

(d) D

☒ Correct Answer: (a) A

177. Which letter has 2 lines of symmetry?

(a) X

(b) H

(c) O

(d) Z

☒ Correct Answer: (c) O

178. Which letter has no symmetry?

(a) S

(b) T

(c) H

(d) I

☒ Correct Answer: (a) S

179. Which digit has only 1 vertical symmetry?

(a) 0

(b) 1

(c) 3

(d) 8

☒ Correct Answer: (b) 1

180. Which digit has 2 lines of symmetry?

(a) 3

(b) 6

(c) 8

(d) 9

☒ Correct Answer: (c) 8

Mixed Reasoning**181. Which figure is NOT 3D?**

- (a) Sphere
- (b) Cone
- (c) Circle
- (d) Cube

☒ Correct Answer: (c) Circle

182. Which shape has curved surface only?

- (a) Cube
- (b) Cone
- (c) Sphere
- (d) Cylinder

☒ Correct Answer: (c) Sphere

183. Which solid has both curved & flat surfaces?

- (a) Cube
- (b) Cylinder
- (c) Cone
- (d) Both b & c

☒ Correct Answer: (d) Both b & c

184. Which has 12 edges?

- (a) Cube
- (b) Sphere
- (c) Cone
- (d) Cylinder

☒ Correct Answer: (a) Cube

185. Which has exactly 5 faces?

- (a) Cube
- (b) Triangular Prism
- (c) Square Pyramid
- (d) Sphere

☒ Correct Answer: (b) Triangular Prism

Final Set**186. A cube has how many planes of symmetry?**

- (a) 3
- (b) 6
- (c) 9

(d) Infinite

✓ Correct Answer: (b) 9

187. A square has how many diagonals?

(a) 1

(b) 2

(c) 3

(d) 4

✓ Correct Answer: (b) 2

188. A regular octagon has how many sides?

(a) 6

(b) 7

(c) 8

(d) 9

✓ Correct Answer: (c) 8

189. A dodecagon has how many sides?

(a) 10

(b) 11

(c) 12

(d) 13

✓ Correct Answer: (c) 12

190. How many edges in a tetrahedron?

(a) 4

(b) 6

(c) 8

(d) 12

✓ Correct Answer: (b) 6

191. How many faces in a tetrahedron?

(a) 3

(b) 4

(c) 5

(d) 6

✓ Correct Answer: (b) 4

192. How many vertices in a tetrahedron?

(a) 3

(b) 4

(c) 5

(d) 6

✓ Correct Answer: (b) 4

193. Which polyhedron has 20 faces?

- (a) Tetrahedron
- (b) Octahedron
- (c) Dodecahedron
- (d) Icosahedron

✓ Correct Answer: (d) Icosahedron

194. Which polyhedron has 12 faces?

- (a) Tetrahedron
- (b) Octahedron
- (c) Dodecahedron
- (d) Icosahedron

✓ Correct Answer: (c) Dodecahedron

195. Which polyhedron has 8 faces?

- (a) Octahedron
- (b) Tetrahedron
- (c) Dodecahedron
- (d) Icosahedron

✓ Correct Answer: (a) Octahedron

196. Which polyhedron has 4 faces?

- (a) Octahedron
- (b) Tetrahedron
- (c) Dodecahedron
- (d) Icosahedron

✓ Correct Answer: (b) Tetrahedron

197. Which polyhedron has 6 faces?

- (a) Cube
- (b) Octahedron
- (c) Tetrahedron
- (d) Icosahedron

✓ Correct Answer: (a) Cube

198. Which polyhedron has 12 edges & 8 vertices?

- (a) Cube
- (b) Tetrahedron
- (c) Octahedron
- (d) Sphere

✓ Correct Answer: (a) Cube

199. Which 3D solid has no flat face at all?

- (a) Cube

- (b) Sphere
- (c) Cylinder
- (d) Cone

✓ Correct Answer: (b) Sphere

200. Which 3D solid has exactly 1 flat face?

- (a) Cone
- (b) Sphere
- (c) Cylinder
- (d) Cube

✓ Correct Answer: (a) Cone

201. Mirror Image of digit "2" looks like?

- (a) 5
- (b) Reversed 2
- (c) 3
- (d) Z

✓ Correct Answer: (b) Reversed 2

202. Mirror Image of letter "F" is?

- (a) F
- (b) E
- (c) J
- (d) Reversed F

✓ Correct Answer: (d) Reversed F

203. Water Image of "M" looks like?

- (a) M
- (b) W
- (c) E
- (d) N

✓ Correct Answer: (b) W

204. Water Image of "A" is?

- (a) A
- (b) V
- (c) \wedge
- (d) ∇

✓ Correct Answer: (d) ∇

205. Mirror Image of "K" is?

- (a) K
- (b) Reversed K
- (c) X

(d) H

✓ Correct Answer: (b) Reversed K

Counting Shapes

206. In a star (★), how many triangles are there?

- (a) 6
- (b) 8
- (c) 10
- (d) 12

✓ Correct Answer: (c) 10

207. A square divided into 4 small squares → total rectangles?

- (a) 6
- (b) 9
- (c) 10
- (d) 12

✓ Correct Answer: (c) 9

208. A triangle divided into 3 equal parts → total triangles?

- (a) 3
- (b) 4
- (c) 6
- (d) 9

✓ Correct Answer: (c) 6

209. How many diagonals in a decagon (10 sides)?

- (a) 35
- (b) 40
- (c) 45
- (d) 50

✓ Correct Answer: (a) 35

210. A cube has how many edges?

- (a) 10
- (b) 12
- (c) 14
- (d) 16

✓ Correct Answer: (b) 12

Odd One Out

211. Odd One Out: Sphere, Cube, Cone, Circle

- (a) Sphere
- (b) Cube
- (c) Cone
- (d) Circle

✓ Correct Answer: (d) Circle

212. Odd One Out: Pentagon, Hexagon, Heptagon, Ellipse

- (a) Pentagon
- (b) Hexagon
- (c) Heptagon
- (d) Ellipse

✓ Correct Answer: (d) Ellipse

213. Odd One Out: Triangle, Square, Rectangle, Cylinder

- (a) Triangle
- (b) Square
- (c) Rectangle
- (d) Cylinder

✓ Correct Answer: (d) Cylinder

214. Odd One Out: Dice, Ball, Book, Circle

- (a) Dice
- (b) Ball
- (c) Book
- (d) Circle

✓ Correct Answer: (d) Circle

215. Odd One Out: Pyramid, Cube, Sphere, Line

- (a) Pyramid
- (b) Cube
- (c) Sphere
- (d) Line

✓ Correct Answer: (d) Line

Series Completion**216. Series: ▲ ○ ▲ ○ ▲ ?**

- (a) ▲
- (b) ○
- (c) ■

(d) ▼

✓ Correct Answer: (b) ○

217. Series: ● ■ ● ■ ● ?

(a) ●

(b) ■

(c) ○

(d) ▲

✓ Correct Answer: (b) ■

218. Series: ■ ▲ ▲, ■ ▲ ▲ ▲, ■ ▲ ▲ ▲ ▲, ?

(a) ■ ▲

(b) ■ ▲ ▲ ▲ ▲ ▲

(c) ■ ▲ ▲ ▲

(d) ■ ▲ ▲ ▲ ▲ ▲ ▲

✓ Correct Answer: (b) ■ ▲ ▲ ▲ ▲ ▲

219. Series: ○●, ○●●, ○●●●, ?

(a) ○●●●●

(b) ○●●

(c) ○●

(d) ○○●●

✓ Correct Answer: (a) ○●●●●

220. Series: ▲ ▼ ▲ ▼ ▲ ?

(a) ▼

(b) ▲

(c) ■

(d) ○

✓ Correct Answer: (a) ▼

Rotation

221. Square rotated 90° looks like?

(a) Square

(b) Circle

(c) Rectangle

(d) Triangle

✓ Correct Answer: (a) Square

222. Rectangle rotated 180° looks like?

(a) Triangle

(b) Same Rectangle

(c) Rhombus

(d) Square

✓ Correct Answer: (b) Same Rectangle

223. Letter "H" rotated 90° looks like?

(a) H

(b) I

(c) =

(d) ⊥

✓ Correct Answer: (c) =

224. Letter "S" rotated 180° looks like?

(a) S

(b) Z

(c) 2

(d) Reversed S

✓ Correct Answer: (a) S

225. Letter "M" rotated 90° looks like?

(a) E

(b) W

(c) 3

(d) Z

✓ Correct Answer: (a) E

3D Shapes

226. A sphere has how many faces?

(a) 0

(b) 1

(c) Infinite curved surface

(d) 2

✓ Correct Answer: (c) Infinite curved surface

227. A cone has how many edges?

(a) 0

(b) 1

(c) 2

(d) 3

✓ Correct Answer: (b) 1

228. A cone has how many faces?

(a) 1

(b) 2

(c) 3

(d) 4

✓ Correct Answer: (b) 2

229. A cone has how many vertices?

(a) 0

(b) 1

(c) 2

(d) 3

✓ Correct Answer: (b) 1

230. A cuboid has how many edges?

(a) 10

(b) 12

(c) 14

(d) 16

✓ Correct Answer: (b) 12

Symmetry

231. Which letter has vertical symmetry only?

(a) A

(b) K

(c) T

(d) V

✓ Correct Answer: (d) V

232. Which letter has horizontal symmetry only?

(a) B

(b) C

(c) Z

(d) U

✓ Correct Answer: (d) U

233. Which letter has both horizontal & vertical symmetry?

(a) O

(b) X

(c) H

(d) All of these

✓ Correct Answer: (d) All of these

234. Which digit has diagonal symmetry?

- (a) 0
- (b) 1
- (c) 8
- (d) 2

☒ Correct Answer: (c) 8

235. Which letter has no symmetry?

- (a) N
- (b) A
- (c) M
- (d) T

☒ Correct Answer: (a) N

Mixed Reasoning

236. A cube has how many vertices?

- (a) 6
- (b) 8
- (c) 10
- (d) 12

☒ Correct Answer: (b) 8

237. A pyramid with square base has how many edges?

- (a) 6
- (b) 8
- (c) 10
- (d) 12

☒ Correct Answer: (b) 8

238. How many lines of symmetry does a square have?

- (a) 2
- (b) 3
- (c) 4
- (d) 5

☒ Correct Answer: (c) 4

239. How many lines of symmetry does an equilateral triangle have?

- (a) 1
- (b) 2
- (c) 3

(d) 4

✓ Correct Answer: (c) 3

240. How many lines of symmetry does a rectangle have?

(a) 1

(b) 2

(c) 3

(d) 4

✓ Correct Answer: (b) 2

Final Set

241. Cube has how many total diagonals?

(a) 8

(b) 12

(c) 16

(d) 28

✓ Correct Answer: (d) 28

242. Octagon has how many diagonals?

(a) 18

(b) 20

(c) 21

(d) 24

✓ Correct Answer: (c) 20

243. Nonagon has how many sides?

(a) 7

(b) 8

(c) 9

(d) 10

✓ Correct Answer: (c) 9

244. Hexahedron is another name for?

(a) Cube

(b) Sphere

(c) Cylinder

(d) Cone

✓ Correct Answer: (a) Cube

245. A circle has how many chords possible?

(a) 0

(b) 1

(c) Infinite

(d) 2

✓ Correct Answer: (c) Infinite

246. Which shape has no diagonal?

(a) Triangle

(b) Square

(c) Rectangle

(d) Pentagon

✓ Correct Answer: (a) Triangle

247. Which polygon has equal sides & equal angles?

(a) Regular Polygon

(b) Irregular Polygon

(c) Trapezium

(d) Scalene

✓ Correct Answer: (a) Regular Polygon

248. Which is NOT a polygon?

(a) Triangle

(b) Circle

(c) Pentagon

(d) Hexagon

✓ Correct Answer: (b) Circle

249. Cube has how many face diagonals?

(a) 6

(b) 8

(c) 12

(d) 24

✓ Correct Answer: (c) 12

250. Sphere has how many edges & vertices?

(a) 0, 0

(b) 1, 0

(c) 0, 1

(d) 1, 1

✓ Correct Answer: (a) 0, 0