

**ST. LAWRENCE HIGH SCHOOL**

27, BALLYGUNGE CIRCULAR ROAD

**Class : 6****Subject : ALG/GEOM****Term : FINAL TERM****Max Marks : 80****Q 1 :** Which equation has a solution (-2)?**Marks : 1**

1. $9+x=7$

 (This Answer is Correct)

2. $x-7=9$

3. $x-9=7$

4. $x+9=-7$

Q 2 : $x - 5 = -1$ has the solution**Marks : 1**

1. 4

 (This Answer is Correct)

2. -4

3. -6

4. 6

Q 3 : $12p = 84$, $p=$ ____**Marks : 1**

1. 6

2. 7

 (This Answer is Correct)

3. 5

4. 1

Q 4 : $6 = a \div 7$, $a=$ ____**Marks : 1**

1. 42

 (This Answer is Correct)

2. 34

3. 1

4. 0

Q 5 : The sum of x and 10 is 15. Write this in equation form**Marks : 1**

1. $x+1 = 0$

2. $x + 5=10$

3. $x-10=15$

4. $x+10=15$

 (This Answer is Correct)

Q 6 : $6 - p > 0$ is an _____

Marks : 1

1. identity
2. equation
- 3. inequality**
4. none of them

(This Answer is Correct)

Q 7 : $10 + x = 0$ is an _____

Marks : 1

- 1. equation**
2. identity
3. inequality
4. none of them

(This Answer is Correct)

Q 8 : $6y=0$, $y =$ _____

Marks : 1

1. 1
- 2. 0**
3. -1
4. 2

(This Answer is Correct)

Q 9 : $-4r = 0.4$, $r =$ _____

Marks : 1

- 1. -0.1**
2. 1
3. 0
4. 10

(This Answer is Correct)

Q 10 : 5 less than y is 24. Write this in equation form

Marks : 1

- 1. $y-5=24$**
2. $y + 5 =24$
3. $y -24= 0$
4. none of them

(This Answer is Correct)

Q 11 : $33 - h = 18$, $h =$ _____

Marks : 1

1. 1
2. 0
- 3. 15**
4. 28

(This Answer is Correct)

Q 12 : A line segment has ____ line of symmetry

Marks : 1

- 1 . 1
- 2 . 2
- 3 . 4
- 4 . 6

(This Answer is Correct)

Q 13 : Angle AOB with equal arms OA and OB has ____ line of symmetry

Marks : 1

- 1 . 2
- 2 . 1
- 3 . 3
- 4 . 4

(This Answer is Correct)

Q 14 : Equilateral triangle has ____ lines of symmetry

Marks : 1

- 1 . 3
- 2 . 6
- 3 . 7
- 4 . 2

(This Answer is Correct)

Q 15 : An isosceles triangle has ____ line of symmetry

Marks : 1

- 1 . 7
- 2 . 5
- 3 . 4
- 4 . 1

(This Answer is Correct)

Q 16 : Number of lines of symmetry of a scalene triangle is ____

Marks : 1

- 1 . 0
- 2 . 2
- 3 . 1
- 4 . 4

(This Answer is Correct)

Q 17 : A square has ____ lines of symmetry

Marks : 1

- 1 . 5
- 2 . 4
- 3 . 3
- 4 . 0

(This Answer is Correct)

Q 18 : A rhombus has ___ lines of symmetry

Marks : 1

- 1 . 6
- 2 . 7
- 3 . 2**
- 4 . 5

(This Answer is Correct)

Q 19 : A rectangle has ___ lines of symmetry

Marks : 1

- 1 . 2**
- 2 . 0
- 3 . 1
- 4 . 8

(This Answer is Correct)

Q 20 : Number of lines of symmetry of a parallelogram is _____

Marks : 1

- 1 . 0**
- 2 . 4
- 3 . 5
- 4 . 6

(This Answer is Correct)

Q 21 : Number of lines of symmetry of an isosceles trapezium is _____

Marks : 1

- 1 . 5
- 2 . 0
- 3 . 1**
- 4 . 8

(This Answer is Correct)

Q 22 : Number of lines of symmetry of a kite is _____

Marks : 1

- 1 . 4
- 2 . 1**
- 3 . 6
- 4 . 2

(This Answer is Correct)

Q 23 : A regular pentagon has ___ lines of symmetry

Marks : 1

- 1 . 2
- 2 . 1
- 3 . 4
- 4 . 5**

(This Answer is Correct)

Q 24 : A regular hexagon has ___ lines of symmetry

Marks : 1

- 1 . 0
- 2 . 3
- 3 . 2
- 4 . 6**

(This Answer is Correct)

Q 25 : A semicircle has ___ line of symmetry

Marks : 1

- 1 . 2
- 2 . 1**
- 3 . 3
- 4 . 4

(This Answer is Correct)

Q 26 : A circle has ___ lines of symmetry

Marks : 1

- 1 . infinite**
- 2 . finite
- 3 . 0
- 4 . 1

(This Answer is Correct)

Q 27 : A heptagon has _____ lines of symmetry

Marks : 1

- 1 . 7**
- 2 . 0
- 3 . -1
- 4 . 9

(This Answer is Correct)

Q 28 : Which of the following letters have no line of symmetry?

Marks : 1

- 1 . A
- 2 . F**
- 3 . B
- 4 . C

(This Answer is Correct)

Q 29 : Which of the following letters have line of symmetry?

Marks : 1

- 1 . J
- 2 . G
- 3 . E**
- 4 . L

(This Answer is Correct)

Q 30 : Which of the following letters have no line of symmetry?

Marks : 1

1. H
2. I
3. M
- 4. N**

(This Answer is Correct)

Q 31 : Which of the following letters have no line of symmetry?

Marks : 1

- 1. Q**
2. V
3. W
4. X

(This Answer is Correct)

Q 32 : A ____ has two dimensions

Marks : 1

1. Cube
2. Cuboid
- 3. Square**
4. none of them

(This Answer is Correct)

Q 33 : A ____ has three dimensions

Marks : 1

1. Triangle
- 2. Pyramid**
3. Rectangle
4. none of them

(This Answer is Correct)

Q 34 : A Prism has ____ dimensions

Marks : 1

- 1. 3**
2. 1
3. 0
4. 2

(This Answer is Correct)

Q 35 : A cube is a prism with ____ square faces

Marks : 1

1. 2
2. 1
3. 3
- 4. 6**

(This Answer is Correct)

Q 36 : A cuboid is a prism with 6 ____ faces

Marks : 1

- 1 . Rectangular
- 2 . Square
- 3 . triangular
- 4 . none of them

(This Answer is Correct)

Q 37 : A ____ has no edges and no corners

Marks : 1

- 1 . Cuboid
- 2 . Cube
- 3 . sphere
- 4 . none of them

(This Answer is Correct)

Q 38 : A ____ is like a round pipe

Marks : 1

- 1 . Cylinder
- 2 . Square
- 3 . Triangle
- 4 . Cube

(This Answer is Correct)

Q 39 : A ____ looks like the cap of a circus clown

Marks : 1

- 1 . Sphere
- 2 . Cone
- 3 . Prism
- 4 . none of them

(This Answer is Correct)

Q 40 : The joint between separate faces of a solid is called its ____

Marks : 1

- 1 . edge
- 2 . vertex
- 3 . face
- 4 . none of them

(This Answer is Correct)

Q 41 : Each corner of a solid is called a ____

Marks : 1

- 1 . edge
- 2 . vertex
- 3 . face
- 4 . none of them

(This Answer is Correct)

Q 42 : A ____ shape has equal sides and equal angles

Marks : 1

- 1 . regular
- 2 . irregular
- 3 . unequal
- 4 . none of them

(This Answer is Correct)

Q 43 : A line segment is symmetrical about its _____ bisector

Marks : 1

- 1 . angle
- 2 . parallel
- 3 . perpendicular
- 4 . none of them

(This Answer is Correct)

Q 44 : A _____ in a line produces a mirror image

Marks : 1

- 1 . reflection
- 2 . rotation
- 3 . flip
- 4 . none of them

(This Answer is Correct)

Q 45 : Out of the first eight letters of the English alphabet, which do not have symmetry?

Marks : 1

- 1 . A, B
- 2 . F, G
- 3 . E, F
- 4 . I, J

(This Answer is Correct)

Q 46 : When a figure can be folded in half so that the two parts match exactly in shape and size, the figure is said to be _____

Marks : 1

- 1 . symmetrical
- 2 . asymmetrical
- 3 . unequal
- 4 . none of them

(This Answer is Correct)

Q 47 : A number that has 2 lines of symmetry

Marks : 1

- 1 . 7
- 2 . 5
- 3 . 0
- 4 . 9

(This Answer is Correct)

Q 48 : A number that has 1 line of symmetry

Marks : 1

- 1 . 2
- 2 . 6
- 3 . 4
- 4 . 3**

(This Answer is Correct)

Q 49 : A number that has 0 line of symmetry

Marks : 1

- 1 . 3
- 2 . 2**
- 3 . 0
- 4 . none of them

(This Answer is Correct)

Q 50 : Which letter together with its mirror image will form the letter W?

Marks : 1

- 1 . V**
- 2 . P
- 3 . T
- 4 . X

(This Answer is Correct)

Q 51 : Which letter together with its mirror image will form the letter O?

Marks : 1

- 1 . C**
- 2 . Z
- 3 . M
- 4 . N

(This Answer is Correct)

Q 52 : _____ has one square base, four triangular faces

Marks : 1

- 1 . Pyramid**
- 2 . Cone
- 3 . Sphere
- 4 . Cube

(This Answer is Correct)

Q 53 : _____ has three rectangular faces, two triangular base of equal size

Marks : 1

- 1 . Cylinder
- 2 . triangular prism**
- 3 . Sphere
- 4 . Cube

(This Answer is Correct)

Q 54 : _____ has one curved surface, two plane faces of equal size

Marks : 1

- 1 . Cylinder
- 2 . triangular prism
- 3 . Sphere
- 4 . Cube

(This Answer is Correct)

Q 55 : _____ has one curved surface, one plane surface

Marks : 1

- 1 . Cuboid
- 2 . Pyramid
- 3 . Cone
- 4 . Cylinder

(This Answer is Correct)

Q 56 : $V - E + F =$ _____

Marks : 1

- 1 . -1
- 2 . 1
- 3 . 0
- 4 . 2

(This Answer is Correct)

Q 57 : $(-1)^{34} =$ _____

Marks : 1

- 1 . 1
- 2 . -1
- 3 . 0
- 4 . -34

(This Answer is Correct)

Q 58 : $(-1)^{23} =$ _____

Marks : 1

- 1 . -1
- 2 . 1
- 3 . 0
- 4 . 23

(This Answer is Correct)

Q 59 : $3^2 \times 3^2 =$ _____

Marks : 1

- 1 . 9
- 2 . 27
- 3 . 81
- 4 . 3

(This Answer is Correct)

Q 60 : $10^4 \div 10 = \underline{\hspace{2cm}}$

Marks : 1

1. 10.1
2. 10
3. 100
- 4. 1000**

(This Answer is Correct)

Q 61 : Find the cube of 9

Marks : 1

- 1. 729**
2. 343
3. 256
4. 400

(This Answer is Correct)

Q 62 : Find the square of 120

Marks : 1

- 1. 14400**
2. 144
3. 1440
4. 1.44

(This Answer is Correct)

Q 63 : An octagon has _____ sides

Marks : 1

1. 10
- 2. 8**
3. 9
4. 7

(This Answer is Correct)

Q 64 : A decagon has _____ sides

Marks : 1

1. 13
2. 12
3. 11
- 4. 10**

(This Answer is Correct)

Q 65 : A polygon formed with four line segments is called a _____

Marks : 1

- 1. Quadrilateral**
2. Pentagon
3. Circle
4. Triangle

(This Answer is Correct)

Q 66 : Diameter = ____ × Radius

Marks : 1

- 1 . 2
- 2 . 3
- 3 . 1
- 4 . 0

(This Answer is Correct)

Q 67 : All the sides are equal for a _____

Marks : 1

- 1 . Square
- 2 . Trapezium
- 3 . rectangle
- 4 . none of them

(This Answer is Correct)

Q 68 : Area lying between two radii of a circle is

Marks : 1

- 1 . Diameter
- 2 . sector
- 3 . segment
- 4 . chord

(This Answer is Correct)

Q 69 : The opposite sides of a rectangle are _____

Marks : 1

- 1 . equal
- 2 . unequal
- 3 . not parallel
- 4 . none of them

(This Answer is Correct)

Q 70 : The region lying between a chord & an arc is _____

Marks : 1

- 1 . sector
- 2 . chord
- 3 . segment
- 4 . radius

(This Answer is Correct)

Q 71 : Which of the closed figure is a parallelogram ?

Marks : 1

- 1 . Rectangle
- 2 . Trapezium
- 3 . Circle
- 4 . Triangle

(This Answer is Correct)

Q 72 : Simplify : $8x - (-8x)$

Marks : 1

- 1 . $16x$
- 2 . $6x$
- 3 . $-22x$
- 4 . 0

(This Answer is Correct)

Q 73 : Simplify: $7x^3y^2 - 7x^3y^2$

Marks : 1

- 1 . 0
- 2 . $7y$
- 3 . $14x^4y$
- 4 . $7x^4$

(This Answer is Correct)

Q 74 : Multiply: $yz \times 2yz$

Marks : 1

- 1 . $16y^2$
- 2 . $2y^2z^2$
- 3 . 4
- 4 . yz

(This Answer is Correct)

Q 75 : $3(x - 2y + 3z) =$

Marks : 1

- 1 . $x-22y+33z^2$
- 2 . $11x-22y+z^2$
- 3 . $11x-2y+3z^2$
- 4 . $3x -6y+9z$

(This Answer is Correct)

Q 76 : If $a= 1$, $b= 2$, $c= 0$, then $a(b - c^2) =$

Marks : 1

- 1 . 2
- 2 . 35
- 3 . -19
- 4 . 19

(This Answer is Correct)

Q 77 : If $A=x+y$, $B=y+z$, $C= z+x$, then $A+B+C=$

Marks : 1

- 1 . 1
- 2 . 0
- 3 . 2
- 4 . $2(x+y+z)$

(This Answer is Correct)

Q 78 : Simplify: $(y-z) + (z-x) + (x-y)$

Marks : 1

1 . 2

2 . 1

3 . 0

4 . $xy+yz+zx$

(This Answer is Correct)

Q 79 : A octagon has ____ lines of symmetry

Marks : 1

1 . 8

2 . 7

3 . 10

4 . 0

(This Answer is Correct)

Q 80 : How many letters of the English alphabet has symmetry?

Marks : 1

1 . 20

2 . 10

3 . 14

4 . 16

(This Answer is Correct)
