



ST. LAWRENCE HIGH SCHOOL

27, BALLYGUNGE CIRCULAR ROAD

**Class : 6****Subject : ALG/GEOM****Term : FIRST TERM****Max Marks : 60****Q 1 :** Add 3 (a + b) and 6 (a + b)**Marks : 1**

- 1 . 9ab
- 2 . 10a + 10b
- 3 . 9 (a + b)**
- 4 . none of these.

 (This Answer is Correct)**Q 2 :** A quadrilateral with four sides and no right angles can be called a**Marks : 1**

- 1 . square
- 2 . rhombus**
- 3 . circle
- 4 . rectangle

 (This Answer is Correct)**Q 3 :** A quadrilateral with exactly two sides parallel is a**Marks : 1**

- 1 . trapezium**
- 2 . square
- 3 . rectangle
- 4 . circle

 (This Answer is Correct)**Q 4 :** Add 2a + 3b and 3a + 4b**Marks : 1**

- 1 . 5a + 7b**
- 2 . 3a
- 3 . 2a + 5b
- 4 . 6b

 (This Answer is Correct)**Q 5 :** All radii of the circle are**Marks : 1**

- 1 . unequal
- 2 . equal**
- 3 . greater than other
- 4 . none of these

 (This Answer is Correct)

Q 6 : We can measure an angle with a

Marks : 1

- 1 . scale
- 2 . compass
- 3 . protractor**
- 4 . none of these

(This Answer is Correct)

Q 7 : Each angle of a rectangle is a _____ angle.

Marks : 1

- 1 . acute
- 2 . obtuse
- 3 . right**
- 4 . reflex

(This Answer is Correct)

Q 8 : Subtract $(-7a)$ from $(-3a)$

Marks : 1

- 1 . $4a$**
- 2 . $2a$
- 3 . $3a$
- 4 . $10a$

(This Answer is Correct)

Q 9 : A polygon with 7 sides is called a

Marks : 1

- 1 . heptagon**
- 2 . octagon
- 3 . triangle
- 4 . hexagon

(This Answer is Correct)

Q 10 : A polygon with 5 sides is called a

Marks : 1

- 1 . heptagon
- 2 . pentagon**
- 3 . nonagon
- 4 . octagon

(This Answer is Correct)

Q 11 : Multiply $-2m$ by $-3n$

Marks : 1

- 1 . $6mn$**
- 2 . $5mn$
- 3 . $10mn$
- 4 . $12mn$

(This Answer is Correct)

Q 12 : If two lines intersect we have equal angles called

Marks : 1

- 1 . acute
- 2 . obtuse
- 3 . vertically opposite**
- 4 . adjacent

(This Answer is Correct)

Q 13 : The vertically opposite angles are also called

Marks : 1

- 1 . vertical angle**
- 2 . horizontal angle
- 3 . oblique angle
- 4 . none of these

(This Answer is Correct)

Q 14 : One fourth of a circle is called a _____ of a circle.

Marks : 1

- 1 . sector
- 2 . arc
- 3 . quadrant**
- 4 . radius

(This Answer is Correct)

Q 15 : Simplify $5x + (3x - 7)$

Marks : 1

- 1 . $3x+4$
- 2 . $2x+6$
- 3 . $8x+7$
- 4 . $8x-7$**

(This Answer is Correct)

Q 16 : The part of a circle enclosed by two radii of a circle is called _____ of a circle.

Marks : 1

- 1 . arc
- 2 . semicircles
- 3 . sector**
- 4 . center

(This Answer is Correct)

Q 17 : The diagonals of a square are _____ to one another.

Marks : 1

- 1 . horizontal
- 2 . unequal
- 3 . perpendicular**
- 4 . none of these

(This Answer is Correct)

Q 18 : Multiply 2x by 3y

Marks : 1

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

(This Answer is Correct)

Q 19 : The mid point of a diameter is the _____ of the circle.

Marks : 1

- 1 . chord
- 2 . centre**
- 3 . radius
- 4 . tangent

(This Answer is Correct)

Q 20 : A square is a

Marks : 1

- 1 . irregular polygon
- 2 . regular polygon**
- 3 . different polygon
- 4 . none of these

(This Answer is Correct)

Q 21 : Which of the following is a regular polygon ?

Marks : 1

- 1 . scalene triangle
- 2 . rectangle
- 3 . trapezium
- 4 . equilateral triangle**

(This Answer is Correct)

Q 22 : All diameters are

Marks : 1

- 1 . sector
- 2 . quadrant
- 3 . tangent
- 4 . chords**

(This Answer is Correct)

Q 23 : A quadrilateral shaped photo frame has all sides equal, which cannot be a possible shape for the frame ?

Marks : 1

- 1 . square
- 2 . trapezium**
- 3 . rhombus
- 4 . none of these.

(This Answer is Correct)

Q 24 : If the radius of a circle is 2 cm then its diameter is

Marks : 1

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

(This Answer is Correct)

Q 25 : The circumference of a circle gives its

Marks : 1

- 1 . area
- 2 . length
- 3 . perimeter**
- 4 . breadth

(This Answer is Correct)

Q 26 : Square is also a

Marks : 1

- 1 . trapezium
- 2 . triangle
- 3 . pentagon
- 4 . parallelogram**

(This Answer is Correct)

Q 27 : The _____ is the unit measure for angles.

Marks : 1

- 1 . degree**
- 2 . side
- 3 . km
- 4 . radius

(This Answer is Correct)

Q 28 : 25p-17p

Marks : 1

- 1 . 32p
- 2 . 20p
- 3 . 8p**
- 4 . 5p

(This Answer is Correct)

Q 29 : 1 minute is equal to _____ seconds.

Marks : 1

- 1 . 0
- 2 . 120
- 3 . 60**
- 4 . 100

(This Answer is Correct)

Q 30 : The diagonals of a _____ are equal but not perpendicular.

Marks : 1

- 1 . square
- 2 . rectangle
- 3 . circle
- 4 . none of these

(This Answer is Correct)

Q 31 : $3x + 4x =$

Marks : 1

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

(This Answer is Correct)

Q 32 : The opposite sides of a _____ are equal in length.

Marks : 1

- 1 . rectangle
- 2 . triangle
- 3 . circle
- 4 . none of these

(This Answer is Correct)

Q 33 : 1 degree is equal to _____ minutes.

Marks : 1

- 1 . 180
- 2 . 60
- 3 . 20
- 4 . 100

(This Answer is Correct)

Q 34 : If the angle measures 320° , it is a _____ angle.

Marks : 1

- 1 . acute
- 2 . obtuse
- 3 . reflex
- 4 . right

(This Answer is Correct)

Q 35 : The distance around a circle is called

Marks : 1

- 1 . diameter
- 2 . radius
- 3 . center
- 4 . circumference

(This Answer is Correct)

Q 36 : Concave polygons are also known as _____ polygons.

Marks : 1

- 1 . regular
- 2 . re entrant
- 3 . hexagon
- 4 . triangle

(This Answer is Correct)

Q 37 : A diameter divides a circle into two equal parts which are called

Marks : 1

- 1 . diameter
- 2 . semicircles
- 3 . chords
- 4 . radii

(This Answer is Correct)

Q 38 : Each line bounding a polygon is called a

Marks : 1

- 1 . side
- 2 . vertex
- 3 . diagonal
- 4 . radius

(This Answer is Correct)

Q 39 : A _____ is a quadrilateral.

Marks : 1

- 1 . parallelogram
- 2 . triangle
- 3 . nonagon
- 4 . pentagon

(This Answer is Correct)

Q 40 : If the sum of two angles is 180° , then they are

Marks : 1

- 1 . Supplementary angles
- 2 . Complementary angles
- 3 . reflex angles
- 4 . acute angles

(This Answer is Correct)

Q 41 : If the sum of two angles is 90° , then they are

Marks : 1

- 1 . Supplementary angles
- 2 . Complementary angles
- 3 . reflex angles
- 4 . acute angles

(This Answer is Correct)

Q 42 : The angle which measures exactly 90° is a

Marks : 1

- 1 . Obtuse angle
- 2 . reflex angle
- 3 . right angle**
- 4 . straight angle

(This Answer is Correct)

Q 43 : Which of the following is not an example of a circle ?

Marks : 1

- 1 . full moon
- 2 . one rupee coin
- 3 . book**
- 4 . wheel of a car

(This Answer is Correct)

Q 44 : A quadrilateral with all sides and all angles equal is a

Marks : 1

- 1 . square**
- 2 . trapezium
- 3 . circle
- 4 . none of these.

(This Answer is Correct)

Q 45 : Sides of an angle is also called as the _____ of an angle.

Marks : 1

- 1 . vertex
- 2 . degree
- 3 . radius
- 4 . arms**

(This Answer is Correct)

Q 46 : A line which touches circle at one point is called a

Marks : 1

- 1 . chord
- 2 . radius
- 3 . diameter
- 4 . tangent**

(This Answer is Correct)

Q 47 : Diameter of a circle is twice its

Marks : 1

- 1 . radius**
- 2 . chord
- 3 . center
- 4 . tangent

(This Answer is Correct)

Q 48 : Any continuous part of a circle is called an

Marks : 1

- 1 . secant
- 2 . tangent
- 3 . arc**
- 4 . segment

(This Answer is Correct)

Q 49 : 50% of straight angle is

Marks : 1

- 1 . 30°
- 2 . 180°
- 3 . 60°
- 4 . 90°**

(This Answer is Correct)

Q 50 : Find the product of 5 (3p-2q)

Marks : 1

- 1 . $15p-10q$**
- 2 . $12p-12q$
- 3 . $3p+2q$
- 4 . $15p+10q$

(This Answer is Correct)

Q 51 : Simplify $4x + (5x - 4)$

Marks : 1

- 1 . $7x+4$
- 2 . $9x+4$
- 3 . $5x+4$
- 4 . $9x - 4$**

(This Answer is Correct)

Q 52 : Add 5n, 7n, 4n and 3n

Marks : 1

- 1 . 19n**
- 2 . 20n
- 3 . 13n
- 4 . 17n

(This Answer is Correct)

Q 53 : One of the angles forming a linear pair is an obtuse angle then the other pair is _____ angle.

Marks : 1

- 1 . acute**
- 2 . obtuse
- 3 . reflex
- 4 . right

(This Answer is Correct)

Q 54 : Two or more circles with the same centre are called

Marks : 1

- 1 . concentric circles
- 2 . large circles
- 3 . small circles
- 4 . none of these

(This Answer is Correct)

Q 55 : Add $x+5y$ and $3x+y$

Marks : 1

- 1 . $2x+6y$
- 2 . $4x-6y$
- 3 . $4x+6y$
- 4 . $3x+6y$

(This Answer is Correct)

Q 56 : Adjacent supplementary angles always form a

Marks : 1

- 1 . Right pair
- 2 . obtuse pair
- 3 . linear pair
- 4 . none of these

(This Answer is Correct)

Q 57 : The angle formed between the seat and back rest of a comfortable sofa is

Marks : 1

- 1 . acute
- 2 . obtuse
- 3 . right
- 4 . reflex

(This Answer is Correct)

Q 58 : The sum of all angles at a point each being adjacent to the next is equal to how many right angles ?

Marks : 1

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

(This Answer is Correct)

Q 59 : $180^\circ = 1$ _____ angle.

Marks : 1

- 1 . acute
- 2 . obtuse
- 3 . right
- 4 . straight

(This Answer is Correct)

Q 60 : 40% of a right angle is

Marks : 1

1 . 27°

2 . 36°

(This Answer is Correct)

3 . 72°

4 . 18°
