**MATHEMATICS**

NAME ................................ SCHOOL .................................

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| --- | --- | --- | --- | --- | --- |
| SR.  # | QUESTIONS | A | B | C | D |
| 1. | *d*= , since | *d > 0* | *d <0* | *d ≤ 0* | *d = 0* |
| 2. | If =0 , then x is equal to: | 9 | -6 | 6 | -9 |
| 3. | ()1/2is equal to: |  |  |  |  |
| 4. | Symbol used to correspondence is : | ← | → | ↔ | − |
| 5. | In parallelogram opposite sides are: | Opposite direction | Un-parallel | Parallel /congruent | None of these |
| 6. | The bisectors of the angles of a triangle are: | Equal | Concurrent | Perpendicular | Equal-distant |
| 7. | In the given equation, F = C + 32, which of --------- is dependent & independent quantities. | F, C | C, F | C | F |
| 8. | What is area of the given figure?  6cm | 9cm2 | 18cm2 | 3cm2 | 36cm2 |
| 9. | The medians of a triangle cut each other in the ration: | 4:1 | 3:1 | 2:1 | 1:1 |
| 10. | A line parallel to one side of a triangle and intersecting the other two sides divides them-------------------. | Perpendicular | Parallel | Proportional | None of these |
| 11. | Bisection means to divide into ……. Parts: | 2 | 3 | 4 | 5 |
| 12. | Symbol used for is similar to ……: | = |  |  |  |
| 13. | Triangle on equal bases and equal altitudes are ……. In area: | Not equal | Equal | Congruent | Similar |
| 14. | The right bisectors of the three sides of a triangle are ………………? | Collinear | Congruent | Concurrent | Parallel |
| 15. | Median of triangle are …….. | parallel | Congruent | Concurrent | None of these |
| 16. | *d*= , since | *d > 0* | *d <0* | *d ≤ 0* | *d = 0* |
| 17. | Q | N | R | O- | E+ |
| 18. | Give the property name of +0= | Additive identity | Additive inverse | Multiplicative  Identity | None of these |
| 19. | Every real number a is ……? | Natural number | Rational number | Complex number | Irrational number |
| 20. | Multiple inverse of 2 is …….? |  | -2 |  |  |

***Shot Questions***

(1). Find value of a , b , c and a = .

(2). Calculate log23 log38?

(3). If z = 2 + 3i and w = 5-4i , show that =

(4). Find the value of x log2 x = 5

(5). Write the all additive clause property of inequality of real number.

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(6).Construct a triangle ABC, in which m=4.2cm, m=3.9cm, m=3.6cm.

(7.)Construct a triangle XYZ in which m=5.5cm, m=4.5cm, m<Z=90

2x+6 18

(8.) In given triangles LMO and LNO, find the unknown x and m.

M m O 12 N

(9.) Find the unknown in given figure *m n*

75

(10.) Find the unknown valu of following figure:

4cm x

3cm