

## Mathematics 9th Class English Medium Online Test

| Sr | Questions   | Answers Choice  |
|----|---|---|
| 1  | If the sum of interior angles of a regular polygon is $1440^\circ$ then number of sides are | A. 8<br>B. 10<br>C. 12<br>D. 14   |
| 2  | The set having only one element is called   | A. Null set<br>B. Power set<br>C. Subset<br>D. Singleton set  |
| 3  | The statement "Every integer greater than 2 is a sum of two prime numbers" is               | A. Theorem<br>B. Conjecture<br>C. Axiom<br>D. Postulates  |
| 4  | The midpoint or class mark of the group (6-10) is   | A. 4<br>B. 6<br>C. 8<br>D. 10   |
| 5  | Locus of point equidistant from a fixed line is.  | A. Circle<br>B. Perpendicular bisector<br>C. Angle bisector<br>D. Parallel lines  |
| 6  | The Egyptians used a.....system for counting.   | A. base 2<br>B. Base 10<br>C. Base 16<br>D. Base 60   |
| 7  | Factors of $8x^3 - y^3$ are   | A. $(2x + y)(4x^2 + 2xy - y^2)$<br>B. $(2x + y)(4x^2 - 2y + y^2)$<br>C. $(2x - y)(4x^2 - 2xy + y^2)$<br>D. $(2x - y)(4x^2 + 2xy + y^2)$ |
| 8  | The hexadecimal system has a base of.   | A. 2<br>B. 10<br>C. 16<br>D. 60   |
| 9  | Question Image  | A. 90<br>B. 45<br>C. 60<br>D. 30  |
| 10 | For common logarithm the base is  | A. 1<br>B. 10<br>C. 5<br>D. e   |
| 11 | Which of the following cannot be used as binary operation                                   | A. Division<br>B. Square root<br>C. Multiplication<br>D. Addition   |
| 12 | Question Image  | A. Prime Number<br>B. Odd Number<br>C. Irrational Number<br>D. Rational Number  |
| 13 | The slope line $x/3 + y/2 = 1$ is   | A. $2/3$<br>B. $-2/3$<br>C. $-3/2$<br>D. $3/2$  |
| 14 | The conjunction $p \wedge q$ is true when p and q are                                       | A. T, T<br>B. T, F<br>C. F, T<br>D. F, F  |
| 15 | The Egyptian numeral system was used between  | A. 4500-1900 BCE<br>B. 2000-1500 BCE<br>C. 3000-2000 BCE<br>D. 1000-500 BCE   |

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| 16 | The in center of any triangle alwyas lies .....the triangle.                                    | A. Outside<br>B. Inside<br>C. Midpoint<br>D. On base of   |
| 17 | The ratio of the areas of two similar polygons is   | A. Equal to the ratio of their permeters<br>B. Equal to the square of the ratio fo their corresponding sides<br>C. Equal to the cube of the ratio of their corresponding side<br>D. Equal to the sum of their corresponding sides |
| 18 | If two Spheres have volumes in th ratio 8:27 then their corresponding lengths are in the ratio. | A. 2:3<br>B. 4:9<br>C. 8:18<br>D. 8:27  |
| 19 | The invention of zro is attributed to which civilization.                                       | A. Greeks<br>B. Indians<br>C. Arabs<br>D. Romans  |
| 20 | The graph of which function has "S" shapes  | A. Linear<br>B. quadratic<br>C. Cubic<br>D. Reciprocal  |