

## General Math 10th Class English Medium Online Test

| Sr | Questions  | Answers Choice   |
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| 1  | Diagonal of a square with side is:   | A. $\frac{1}{2}a$<br>B. $2a$<br>C. $\sqrt{2}a$<br>D. $4a$  |
| 2  | 1kl = ?  | A. 1 m <sup>3</sup><br>B. 106cm <sup>3</sup><br>C. 109mm <sup>3</sup><br>D. 1m <sup>3</sup>                                      |
| 3  | The area of four walls of a room when length breadth and height of a room are given is:  | A. $l \times b$<br>B. $2h(l + b)$<br>C. $h(l + b)$<br>D. $2(l + b)$  |
| 4  | The volume of a sphere is:   | A. $\pi r^2 h$<br>B. $\frac{1}{3}\pi r^2 h$<br>C. $\frac{4}{3}\pi r^3$<br>D. $\pi r^2$   |
| 5  | Area has dimensions;   | A. one<br>B. two<br>C. three<br>D. four  |
| 6  | The area of an equilateral triangle with side 'a' is:  | A. $\frac{1}{2}\pi r^2$<br>B. $3a^2/2$<br>C. $\frac{\sqrt{3}a^2}{2}$<br>D. $2\pi r^2$  |
| 7  | The side opposite to a right angle in a right angled triangle is called:   | A. base<br>B. altitude<br>C. Hypotenuse<br>D. Perpendicular  |
| 8  | The square of the hypotenuse is equal to the sum of the square of two sides this statement is called:  | A. Factor theorem<br>B. Hero's formula<br>C. Ration formula<br>D. Pythagoras theorem   |
| 9  | The point at which the three angle-bisector of a triangle meet is called:  | A. circum-cneter of the triangle<br>B. incenter of the triangle<br>C. centroid of the triangle<br>D. orthocenter of the triangle |
| 10 | If the centers of two circles lie in either side of the common tangent then it is called:  | A. external tangent<br>B. internal tangent<br>C. concyclic tangent<br>D. concentric tangent                                      |
| 11 | If the points of contact of a common tangent to the two circles are on the same side of the line joining their centers then this common tangent is called: | A. external tangent<br>B. internal tangent<br>C. concyclic tangent<br>D. concentric tangent                                      |
| 12 | The midpoint of the diameter of a circle is called:  | A. radius<br>B. chord<br>C. center<br>D. tangent   |
| 13 | An equilateral rectangle is called a:  | A. Polygon<br>B. quadrilateral<br>C. parallelogram<br>D. square  |
| 14 | A parallelogram containing a right angle is called a:  | A. quadrilateral<br>B. square<br>C. rectangle<br>D. equilateral  |
| 15 | Median to the equal sides of an isosceles triangle are:  | A. congruent<br>B. equal<br>C. similar<br>D. unequal   |

