

10th Class General Math English Medium Online Test For Full Book

Sr	Questions	Answers Choice
1	The origin has coordinates:	A. (0,1) B. (1,0) C. (1,1) D. (0,0)
2	A point in II-quadrant has its abscissa:	A. positive B. negative C. zero D. onw
3	A parallelogram containing right angles is called a:	A. equilateral B. rectangle C. quadrilateral D. square
4	The volume of a sphere is:	A. $\frac{4}{3}\pi r^3$ B. $\frac{1}{3}\pi r^2 h$ C. $4\pi r^2$ D. $\pi r^2 h$
5	The area of an equilateral triangle with side 'a' is:	A. $1.5a^2$ B. $3a^2/2$ C. $\frac{\sqrt{3}}{4}a^2$ D. $2a^2$
6	$x + 5/x^2 - 6x - x/x - 6 = ?$	A. $5 - x - x^2/x^2 - 6x$ B. $5 + x - x^2/x^2 - 6x$ C. $5 + x - x^2/x^2 + 6x$ D. $x^2 - 6x/5 + x - x^2$
7	The product of two factors is equal to:	A. H.C.F B. H.C.F x L.C.M C. L.C.M D. H.C.F/L.C.M
8	The point of intersection of the perpendicular bisectors of the sides of a triangle meet is called	A. circum-center of the triangle B. incenter of the triangle C. centroid of the triangle D. orthocenter of the triangle
9	A triangle with two equal sides is called an:	A. isosceles triangle B. obtuse triangle C. scalene triangle D. acute triangle

10	Which of the following is a column matrix?	
11	If two angle and a corresponding side included angles of two triangles are same then they , which congruent this postulate is called:	A. S.A.S Postulate B. A.S.A Postulate C. S.S.S Postulate D. R.H.S Postulate
12	The number of perpendicular bisectors of the sides of a triangle is:	A. 0 B. 4 C. 3 D. 2
13	Which of the following is a pure surd?	A. $4\sqrt{3}$ B. $5\sqrt{7}$ C. $1/7\sqrt{3}$ D. 4
14	An expression which involves numbers and letters together with operational signs is called:	A. Polynomial B. Algebraic expression C. rational expression D. Irrational expression
15	$2(a^2 + b^2) = ?$	A. $(a^2 + b^2) - 4ab$ B. $(a + b)^2 + (a - b)^2$ C. $(a + b + c)^2$ D. $(a + b)^2 - (a - b)^2$
16	Which matrix has no multiplicative inverse?	A. unit matrix B. singular matrix C. non - singular matrix D. diagonal matrix
17	A parallelogram containing a right angle is called a:	A. quadrilateral B. square C. rectangle D. equilateral
18	The square of the hypotenuse is equal to the sum of the square of two sides, this statement is called:	A. Factor theorem B. Hero's formula C. Ratio formula D. pythagoras theorem
19	The volume of a sphere is:	A. $\pi r^2 h$ B. $1/3\pi r^2 h$ C. $4/3\pi r^2 h$ D. πr^2
20	IF $A^t = -A$ then matrix A is called a:	A. symmetric matrix B. skew - symmetric matrix C. transpose of matrix D. identity matrix