

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

Sr	Questions	Answers Choice
1	The volume of a sphere is:	A. $\pi r^2 h$ B. $\frac{1}{3}\pi r^2 h$ C. $\frac{4}{3}\pi r^2 h$ D. πr^2
2	A matrix consisting of only one row is called a:	A. row matrix B. column matrix C. scalar matrix D. rectangular matrix
3	In a plane is every ordered pair in associated	A. A unique point B. Zero C. Two pointer D. Four pointer
4	Angle in a semi-circle is of measure :	A. 45° B. 60° C. 90° D. 120°
5	Which of the following is a proper rational expression?	A. $2x^3 + 3x^2 + 3/x^2 + x + 3$ B. $3x^2 + 4x + 5/2x^4 + 1$ C. $x^3 + 8/x + 1$ D. $2\sqrt{x} + 3/2\sqrt{x} - 3$
6	The distance between the point (2,1) and (-4,3) is:	A. 2 B. 10 C. 2 D. 10
7	A point in II-quadrant has its abscissa:	A. positive B. negative C. zero D. onw
8	A square matrix in which all the element except at least one element in the diagonal are zero is called a:	A. rectangular matrix B. zero matrix C. square matrix D. diagonal matrix
9	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. Ration formula D. Pythagoras theorem
10	A quadratic polynomial is a of degree:	A. 0 B. 1 C. 2 D. 3
11	if $P(x) = 4x^3 + 3x^2 + 5x + 1$, then $P(1)$ as:	A. 13 B. 15 C. 17 D. 19
12	An equilateral rectangle is called a:	A. polygon B. quadrilateral C. parallelogram D. square
13	If $x - a$ is the factor of $P(x)$, then $P(a)$ will be:	A. 0 B. 1 C. -a D. a

D. a

14 A parallelogram containing a right angle is called a:

- A. quadrilateral
- B. square
- C. rectangle
- D. equilateral

15 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
- B. internal tangent
- C. concyclic tangent
- D. concentric tangent

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17 Who gave idea of plane:

- A. John Napier
- B. Jobst burgi
- C. Descartes
- D. Arthur cayley

18 A triangle with two equal sides is called an:

- A. isosceles triangle
- B. obtuse triangle
- C. scalene triangle
- D. acute triangle

19 Which matrix is said to be additive identity of any matrix:

- A. scalar matrix
- B. diagonal matrix
- C. zero matrix
- D. unit matrix

20 $x + 5/x^2 - 6x - x/x - 6 = ?$

- 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. $x^2 - 6x/5 + x - x^2$