

10th Class Math English Medium Online Test For Full Book

Sr	Questions	Answers Choice
1	Which mathematical expression is correct:	
2	The tangent and radius of a circle at the point of contact are _____:	A. Parallel B. Not perpendicular C. Perpendicular D. None of these
3	Question Image	
4	A second degree equation in one variable x is of the form:	A. ax^2+bx+c B. ax^2+bx+c C. $ax+bx+c$ D. ax^2+bx+c
5	$\cot 45^\circ = \dots\dots\dots$	A. 1 B. $\sqrt{2}$ C. $1/\sqrt{2}$ D. 0
6	A frequency polygon is a many sided:	A. Closed figure B. Rectangle C. Square
7	x-coordinate of every pint on x-axis is.	A. +ve B. -ve C. zero D. 1
8	A set with no element is called:	A. Subset B. Empty set C. Singleton set D. Super set
9	$\cot 60^\circ = \dots\dots\dots$	A. $1/2$ B. $\sqrt{3}/2$ C. $\sqrt{3}$ D. $1/\sqrt{3}$
10	Radii of a circle are:	A. All equal B. Double of the diameter C. All unequal D. Half of any chord
11	60 seconds makes _____ minute:	A. 1 B. 2 C. 3 D. 4
12	From a point outside the circle _____ tangents can be drawn:	A. One B. Two C. Three D. Four
13	The number of methods to solve a quadratic equation is:	A. 1 B. 2 C. 3 D. 4
14	$3\pi/4$ radian =	A. 115° B. 135° C. 150° D. 30°
15	$1/(1+\sin\theta) + 1/(1-\sin\theta)$	A. $2 \sec^2\theta$ B. $2 \cos^2\theta$ C. $\sec^2\theta$ D. $\cos\theta$
16	The size of class interval (6-10) is.	A. 4 B. 5 C. 8 D. 10
		A. Whole numbers

17	A set $Q = \{a/b \mid a, b \in \mathbb{Z} \wedge b \neq 0\}$ is called a set of.	B. Natural number C. Irrational numbers D. Rational numbers
18	A line which has only one point in common with a circle is called:	A. chord B. secant C. tangent D. sector
19	The observations that divide a data set into four equal parts, are called.	A. Deciles B. Quartiles C. Percentiles D. Mode
20	Out of two congruent arcs of a circle, if one arc makes a central angle of 30° then the other arc will subtend the central angle of:	A. 15° B. 30° C. 45° D. 60°