

10th Class Math English Medium Online Test For Full Book

Sr	Questions	Answers Choice
1	The discriminant of $x^2+8x+16=0$:	A. 4 B. 3 C. 2 D. 0
2	A data in the form of frequency distribution is called:	A. Grouped data B. Ungrouped data C. Histogram
3	$\tan\theta, \cot\theta = \dots\dots\dots$	A. $\sin\theta$ B. $\sec\theta$ C. 1 D. 0
4	A set $Q = \{a/b \mid a, b \in \mathbb{Z} \wedge b \neq 0\}$ is called a set of.	A. Whole numbers B. Natural number C. Irrational numbers D. Rational numbers
5	How many common tangents can be drawn for two disjoint circles ?	A. 2 B. 3 C. 4
6	Question Image <input style="width: 200px; height: 20px;" type="text"/>	A. Polynomial B. Variable C. Constant D. Co-efficient
7	If Y is directly proportional to x it can be written as:	C. $x = y$ D. $y : x$
8	$1 + \tan^2\theta = \dots\dots\dots$	A. $\sin^2\theta$ B. $\cos^2\theta$ C. $\csc^2\theta$ D. $\sec^2\theta$
9	Formula of arc length is.	A. $l=r\theta$ B. $r=l\theta$ C. $\theta =lr$ D. $l=r/\theta$
10	A quadratic equation has:	A. Two roots B. Three roots C. Fourroots D. Fiveroots
11	A data in the form of frequency distribution is called.	A. Grouped data B. Ungroup data C. Same D. None of these
12	$\csc 60^\circ = \dots\dots\dots$	A. $1/2$ B. $\sqrt{3}/2$ C. 2 D. $2/\sqrt{3}$
13	$(x+3)^2 = x^2 + 6x + 9$ is:	A. A linear equation B. An equation C. An identity D. None of these
14	$\cot 60^\circ = \dots\dots\dots$	A. $1/\sqrt{3}$ B. $\sqrt{3}$ C. $1/2$ D. 2
15	An arc subtends a central angle of 40° then corresponding chord will subtend a central angle of _____:	A. 20° B. 40° C. 60° D. 80°
16	if $a=1$, $b=-3$ and $c= 3$, then discriminant is:	A. 3 B. -2 C. 2 D. -3

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- 17 Every improper fraction can be reduced to sum of polynomial and a proper fraction by:
- A. Addition
 - B. Division
 - C. Subtraction
 - D. Multiplication
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- 18 The angle subtended by an arc at the circumference of a circle is called a:
- A. Acute angle
 - B. Circum angle
 - C. Abtue angle
 - D. Ascribe angle
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- 19 $\sec^2\theta$ _____
- A. $1 - \sin^2\theta$
 - B. $1 - \tan^2\theta$
 - C. $1 + \cos^2\theta$
 - D. $1 - \tan^2\theta$
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- 20 A tangent to a circle is perpendicular to the radial segment drawn to the point of:
- A. Contact
 - B. Tangency
 - C. Concurrency
 - D. Tangent
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