

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

Sr	Questions	Answers Choice
1	$\text{Cos}\theta, \text{Sec}\theta = \dots\dots\dots$	A. 1 B. $\tan\theta$ C. 0 D. $\text{Cos}\theta$
2	If 'r' is the radius of a circle, then its circumference is.	A. $\pi/2r$ B. $\pi r$ C. $2\pi r$ D. $4\pi r$
3	In which quadrant do they lie when $\text{Cos}\theta < 0$ , $\tan\theta < 0$ ?	A. I B. II C. III D. IV
4	The tangent to a circle and the radial segment joining the point of contact and the _____ are perpendicular to each other:	A. Chord B. Centre C. Tangent D. Arc
5	Angle inscribed in a semi-circle is:	
6	If $\tan\theta = \sqrt{3}$ then $\theta =$ _____.	A. $30^\circ$ B. $45^\circ$ C. $60^\circ$ D. $90^\circ$
7	If the angles subtended by two chords of a circle (or congruent circles) at the centre (corresponding centre) are equal, the _____ are equal:	A. Lines B. Segments C. Chords D. Arcs
8	If $y = kx$ , $x = 7$ and $y = 6$ , then $k =$	A. 42 C. 13
9	The measure of a central angle of minor arc of a circle is _____ that of the angle subtended by corresponding major arc:	A. Half B. Equal C. Double D. Triple
10	Power set of empty set.	A. $\emptyset$ B. $\{a\}$ C. $\{\emptyset, \{a\}\}$ D. $\{\emptyset\}$
11	If $a : b = c : d$ , then $a + b : a - b = c + d : c - d$ is called theorem of:	A. Componendo-Dividendo B. <span style="font-size: 10.5pt; line-height: 107%; font-family: Arial, sans-serif;">"background-image: initial; background-size: initial; background-repeat: initial; background-attachment: initial; background-origin: initial; background-clip: initial;"&gt;Invertendo&lt;/span&gt;                      C. Dividendo                      D. Componendo                 </span>
12	In equation $5^{1+x} + 5^{1-x} = 26$ , we put:	A. $5^{2x} = y$ B. $5^{1+x} = y$ C. $5^{1-x} = y$ D. $5^x = y$
13	Sum of the cube roots of unity is:	A. 0 B. 1 C. -1 D. 3
14	In the given set of data 5,5,5,5,5,5 the standard deviation is:	A. 5 B. 0 C. 7 D. None of these

15	The set $\{x/x \in W \wedge x \leq 101\}$ is.	A. Infinite set B. Sub set C. Null set D. Finite set
16	The difference between upper limit of two consecutive classes in a frequency table is called:	A. Class limit B. Class interval C. Class mark D. All of these
17	If the rotation of the ray is clockwise, the angle has _____ measure:	A. Degree B. Negative C. Positive D. Standard
18	The measures that are used to determine the degree or extent of variation in a data set are called measures of.....	A. Dispersion B. Central tendency C. Average D. Quartile
19	The positive square root of mean of the squared deviations of $x_i$ ( $i = 1, 2, \dots, n$ ) observation from their arithmetic mean is called.	A. Harmonic mean B. Range C. S.D D. Variance
20	Circles having three points in common will:	A. Be perpendicular B. Concide C. Intersect D. Be equal