

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

Sr	Questions	Answers Choice
1	Sec $(-60^\circ) = \dots\dots\dots$	A. $-\sec 60^\circ$ B. $\sec 60^\circ$ C. $\cos 60^\circ$ D. $\cot 60^\circ$
2	$1 + \cot^2 \theta = \dots\dots\dots$	A. $\tan^2 \theta$ B. $\operatorname{cosec}^2 \theta$ C. $\cot^2 \theta$ D. $\sec^2 \theta$
3	The semi circumference, and the diameter of a circle both subtend a central angle of:	A. $90^\circ$ B. $180^\circ$ C. $270^\circ$ D. $360^\circ$
4	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. $5^x = y$
5	Range for the data 110,109,84,89,77, 104,74,97,49,59,103,62 is.....	A. 41 B. 51 C. 61 D. 71
6	Point $(-1, 4)$ lies in the quadrant:	A. I B. II C. III D. IV
7	A line which has only one point in common with a circle is called:	A. Sine of a circle B. Cosine of a circle C. <b>Tangent of a circle</b> D. Secant of a circle
8	In which quadrant do they lie when $\cos \theta < 0$ , $\tan \theta < 0$ ?	A. I B. II C. III D. IV
9	Synthetic division is simply a short cut of:	A. H.C.F B. L.C.M C. <b>Long division method</b> D. Factorization
10	Question Image <input style="width: 100%; height: 15px;" type="text"/>	
11	If $\{x   x = p/q, q \neq 0, p, q \in \mathbb{Z}\}$ then this is a _____	A. Set of even numbers B. <b>Set of rational number</b> C. Set of irrational numbers D. Set of integers
12	A Deviation is defined as a difference of any value of the variable from a:	A. <b>Constant</b> B. Histogram C. Sum
13	An equation of the type $2^x + 64 \cdot 2^{-x} - 20 = 0$ is called:	A. <b>Exponential equation</b> B. Reciprocal equation C. Radical equation D. Linear equation
14	Roots of following equation are: $9x^2 - 4x + 1 = 0$ :	A. Real, Equal B. Real, Unequal C. <b>Imaginary</b> D. Irrational
15	Power set of empty set.	A. $\emptyset$ B. $\{a\}$ C. $\{\emptyset, \{a\}\}$ D. $\{\emptyset\}$
16	The angle subtended by an arc at the centre of a circle is called its:	A. Outer angle B. <b>Central angle</b> C. Complementary angle D. Reflex angle

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- 17  $1^\circ = \dots\dots\dots$
- A.  $180\pi$  radian  
B.  $\pi$  radian  
C.  $\pi/180$  radian  
D.  $180/\pi$  radian
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- 18 The boundary of a circle is called:
- A. Circumference  
B. Arc  
C. Line  
D. Area
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- 19 O - E = .....
- A.  $\emptyset$   
B. O  
C. E  
D. Z
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- 20 The positive square root of mean of the squared deviations of  $x_i (i=1, 2, \dots, n)$  observations from their arithmetic mean is called:
- A. Harmonic mean  
B. Range  
C. Standard deviation
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