


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

Sr	Questions	Answers Choice
1	$\frac{1}{2} \operatorname{cosec} 45^\circ$	A. $\frac{1}{2}\sqrt{2}$ B. $\frac{1}{\sqrt{2}}$ C. $\sqrt{2}$ D. $\frac{\sqrt{3}}{2}$
2	$\operatorname{Sec}^2\theta = \dots\dots\dots$	A. $1 - \sin^2\theta$ B. $1 + \tan^2\theta$ C. $1 + \cos^2\theta$ D. $1 - \tan^2\theta$
3	The spread or scatterness of observations in a data set is called:	A. Average B. Dispersion C. Central tendency
4	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
5	$\sin(-350^\circ)$ lies in _____.	A. 1st quadrant B. 2nd quadrant C. 3rd quadrant D. 4th quadrant
6	Three times the sequence on any side of an equilateral triangle equal to four times the square on the:	A. Median B. Altitude C. Side D. Vertex
7	The symbol for a triangle is denoted by:	
8	The set having only one element is called.	A. Null set B. Power set C. Singleton set D. Subset
9	Each of the complex cube root of unity is:	A. The square of the other B. The half of the other C. The cube of the other D. Equal to each other
10	Every improper fraction can be reduced to sum of polynomial and a proper fraction by:	A. Addition B. Division C. Subtraction D. Multiplication
11	The number of elements in the power set of $\{1,2,3,4\}$ .	A. 4 B. 8 C. 16 D. 0
12	If $R = \{(0,2), (2,3), (3,4)\}$ then $\operatorname{Dom}(R)$ is:	A. $\{0,3,4\}$ B. $\{0,2,3\}$ C. $\{0,2,4\}$ D. $\{2,3,4\}$
13	$1 + \tan^2\theta = \dots\dots\dots$	A. $\sin^2\theta$ B. $\cos^2\theta$ C. $\operatorname{cosec}^2\theta$ D. $\operatorname{sec}^2\theta$
14	$3\pi/4$ radians = _____	A. $115^\circ$ B. $135^\circ$ C. $150^\circ$ D. $30^\circ$
15	$3\pi/2$ Radian = _____	A. $30^\circ$ B. $135^\circ$ C. $180^\circ$ D. $270^\circ$
16	Angles between $180^\circ$ and $270^\circ$ are to which quadrant?	A. I B. II C. III D. IV

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- 17 The value of  $i$  is equal to:
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- 18 Tangents drawn at the ends of diameter of a circle are \_\_\_\_\_ to each other:
- A. Parallel  
B. Non parallel  
C. Collinear  
D. Perpendicular
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- 19 
- A. An improper fraction  
B. An equation  
C. A proper fraction  
D. None of these
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- 20 Diameter of a a circle divides it into many parts?
- A. two    ;  
B. three    ;  
C. four    ;  
D. countless    ;
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