

Mathematics 10th Class English Medium Online Test

Sr	Questions	Answers Choice
1	If $B=\{1,2,100\}$ and $C = \{2,100\}$, then $B \cap C = \underline{\hspace{2cm}}$	A. {1,2} B. {1,2,100} C. {2} D. {2,1}
2	If $R= \{ (a,2),(b,3),(c,3) \}$, then $\text{Dom } R = \underline{\hspace{2cm}}$	A. {1,2} B. {1,2,3} C. {a,b,c} D. {a,c}
3	the set $\{0,\pm 1,\pm 2,\pm 3,\dots\}$ is:	A. Set of natural numbers B. Set of whole numbers C. Set of prime numbers D. Set of integers
4	$\text{Cosec}^2\theta - \text{Cot}^2\theta = \underline{\hspace{2cm}}$	A. -1 B. 1 C. 0 D. $\tan\theta$
5	$\text{Sec}\theta \text{ Cot}\theta = \underline{\hspace{2cm}}$	A. $\text{Sin}\theta$ B. 1/ Sin\theta C. $1/\text{Cos}\theta$ D. $\text{Sin}\theta / \text{Cos}\theta$
6	$1/2 \text{ Cosec } 45^\circ = \underline{\hspace{2cm}}$	A. $1/2\sqrt{2}$ B. $1/\sqrt{2}$ C. $\sqrt{2}$ D. $\sqrt{3}/2$
7	$1/1+\text{Sin}\theta+1/1-\text{Sin}\theta$	A. $2 \text{ Sec}^2\theta$ B. $2 \cos^2\theta$ C. $\text{Sec}^2\theta$ D. $\text{Cos}\theta$
8	$\text{Sec}^2\theta \underline{\hspace{2cm}}$	A. $1-\text{Sin}^2\theta$ B. $1-\tan^2\theta$ C. $1 + \cos^2\theta$ D. $1-\tan^2\theta$
9	If $\tan\theta = \sqrt{3}$ then θ is equal to .	A. 30° B. 45° C. 60° D. 90°
10	$3\pi/4$ radian =	A. 115° B. 135° C. 150° D. 30°
11	$20^\circ = \underline{\hspace{2cm}}$	A. $360'$ B. $630'$ C. $1200'$ D. $360'$
12	The system of measurement in which angle is measured in radian is called.	A. C.G.S System B. Sexagesimal system C. M.K.S.System D. circular system
13	The union of two noncollinear rays, which have common end point is called.	A. A Radian B. A Minute C. A degree D. An angle
14	$\text{Sin}^2\theta + \text{Cos}^2\theta = \underline{\hspace{2cm}} :$	A. $\text{Sin}\theta$ B. $\text{Cos}\theta$ C. 1 D. 2
15	$\text{Cot } 60^\circ = \underline{\hspace{2cm}}$	A. $1/\sqrt{3}$ B. $\sqrt{3}$ C. $1/2$ D. 2

