

11th Class ICS Mathematics Chapter 10 Test Online

Sr	Questions	Answers Choice
1	$-2 \sin \alpha \sin \beta =$	A. $\sin (\alpha + \beta) + \sin (\alpha - \beta)$ B. $\cos (\alpha + \beta) + \cos (\alpha - \beta)$ C. $\cos (\alpha + \beta) - \cos (\alpha - \beta)$ D. $\cos (\alpha - \beta) + \cos (\alpha - \beta)$
2	$\tan (-135^\circ) =$	A. 0 B. 1 D. $\sqrt{2}$
3	$\csc (2\pi - \Theta)$, where Θ is a basic angle, will have terminal side in:	A. quad. I B. quad. II C. quad. III D. quad. IV
4	$\cos (\alpha - \beta) =$	A. $\cos \alpha \cos \beta + \sin \alpha \sin \beta$ B. $\cos \alpha \cos \beta - \sin \alpha \sin \beta$ C. $\cos \alpha \cos \beta + \sin \alpha \cos \beta$ D. $\sin \alpha \cos \beta - \sin \alpha \sin \beta$
5	Question Image	
6	$\tan (294^\circ) =$	A. $\tan 24^\circ$ B. $-\tan 24^\circ$ C. $\cot 24^\circ$ D. $-\cot 24^\circ$
7	$\sin (\alpha + \beta) =$	
8	If $\sin \alpha = \cos \beta$ in any triangle ABC then:	A. $\alpha + \beta = 90^\circ$ B. $\alpha + \beta = 180^\circ$ C. $\alpha + \beta = 360^\circ$ D. $\alpha + \beta$
9	Question Image	
10	$\cot 1^\circ, \cot 2^\circ, \cot 3^\circ, \dots, \cot 89^\circ =$	A. -1 B. 1 C. ∞ D. none
11	Question Image	
12	$\sin 5\Theta + \sin 3\Theta$ is equal to:	A. $2 \cos 2\Theta \sin \Theta$ B. $-2 \cos 4\Theta \sin \Theta$ C. $-2 \sin 4\Theta \cos \Theta$ D. $2 \sin 4\Theta \cos \Theta$
13	Question Image	
14	$2 \sin \alpha \cos \beta =$	A. $\sin (\alpha + \beta) - \sin (\alpha - \beta)$ B. $\cos (\alpha + \beta) + \cos (\alpha - \beta)$ C. $\sin (\alpha + \beta) + \sin (\alpha - \beta)$ D. $\cos (\alpha + \beta) - \cos (\alpha - \beta)$
15	$\sin (\alpha - \beta) =$	
16	$\tan (270^\circ + \Theta)$ is equal:	A. $\cot \Theta$ B. $\tan \Theta$ C. $-\cot \Theta$ D. $-\tan \Theta$
17	Question Image	
18	If an angle α is allied to an angle β , then $\alpha \pm \beta =$ _____:	A. 90° B. multiple of 90° C. 180° D. multiple of 180°
19	The angles $90^\circ \pm \Theta, 180^\circ \pm \Theta, 270^\circ \pm \Theta, 360^\circ \pm \Theta$, are the:	A. composite angles B. half angles C. quadrantal angles D. allied angles

