

## Mathematics 10th Class English Medium Unit 7 Online Test

Sr	Questions	Answers Choice
1	$1 + \cot^2 \theta$	A. $\sin^2 \theta$ B. $\cos^2 \theta$ <b>C. <math>\operatorname{cosec}^2 \theta</math></b> D. $\sec^2 \theta$
2	$1 + \tan^2 \theta = \dots$	A. $\sin^2 \theta$ B. $\cos^2 \theta$ C. $\operatorname{cosec}^2 \theta$ <b>D. <math>\sec^2 \theta</math></b>
3	$\sin^2 \theta + \cos^2 \theta = \dots$	A. $\tan^2 \theta$ B. $\cos^2 \theta$ <b>C. 1</b> D. 0
4	In which quadrant 0 lie when $\sin \theta < 0, \sec \theta < 0$ ?	A. I B. II <b>C. III</b> D. IV
5	In which quadrant 0 lie when $\operatorname{cosec} \theta < 0, \cos \theta < 0$ ?	<b>A. I</b> B. II C. III D. IV
6	In which quadrant 0 lie when $\cos \theta < 0, \tan \theta < 0$ ?	A. I <b>B. II</b> C. III D. IV
7	In which quadrant 0 lie when $\sec \theta < 0, \sin \theta < 0$ ?	A. I B. II C. III <b>D. IV</b>
8	In which quadrant 0 lie when $\cos \theta < 0, \sin \theta < 0$ ?	A. I B. II <b>C. III</b> D. IV
9	In which quadrant 0 lie when $\sin \theta > 0, \tan \theta < 0$ ?	A. I <b>B. II</b> C. III D. IV
10	In which quadrant only $\tan \theta$ and $\cot \theta$ are positive.	A. I B. II <b>C. III</b> D. IV
11	In which quadrant only $\cos \theta$ and $\sec \theta$ are positive?	A. I B. II C. III <b>D. IV</b>
12	In which quadrant only $\sin \theta$ and $\operatorname{cosec} \theta$ are positive?	A. I <b>B. II</b> C. III D. IV
13	$\operatorname{cosec} 60^\circ = \dots$	A. $1/2$ B. $\sqrt{3}/2$ C. 2 <b>D. <math>2/\sqrt{3}</math></b>
14	$\cot 60^\circ = \dots$	A. $1/2$ B. $\sqrt{3}/2$ C. $\sqrt{3}$ <b>D. <math>1/\sqrt{3}</math></b>
15	$\tan 60^\circ = \dots$	A. $1/2$ B. $\sqrt{3}/2$ <b>C. <math>\sqrt{3}</math></b> D. $1/\sqrt{3}$

