

11th Class ICS Mathematics Chapter 9 Test Online

Sr	Questions	Answers Choice
1	The number of radius in the angle subtended by an arc of a circle at the center =	A. radius $\times$ arc B. radius - arc
2	If $\tan \theta > 0$ and $\sin \theta < 0$ then terminal arm of the angle lies in quadrant:	A. I B. II C. III D. IV
3	$180^\circ =$ _____ :	D. π radians
4	Which one is a quadrant angle ?	A. 60° B. 180° C. 120° D. 30°
5	If $\sin \alpha < 0$ and $\cos \alpha > 0$, then α lies in:	A. I B. II C. III D. IV
6	The direction of an angle θ is determined by its:	A. value B. magnitude C. ratio D. sign
7	$(1 - \cos^2 \theta) (1 + \cot^2 \theta) =$	A. $\tan^2 \theta$ B. 0 C. 1 D. -1
8	Question Image	
9	If $\sin \theta < 0$, $\cos \theta < 0$ then the terminal arm of the angle lies in quadrant:	A. I B. II C. III D. IV
10	Question Image	
11	1 radian is equal to:	C. 180° D. none of these
12	To convert any angle in degrees into radians, we multiply the measure by:	
13	The angle between 0° and 360° and co-terminal with -620° is:	A. 100° B. 200° C. 300° D. 320°
14	In circular system the angle is measured in:	A. radians B. degrees C. degrees, minutes D. degrees, seconds
15	$\cos^4 \theta - \sin^4 \theta =$	A. $\sin 2\theta$ B. $\cos 2\theta$ C. $\tan 2\theta$ D. $\sec 2\theta$
16	Question Image	A. 30° B. 45° C. 60° D. 75°
17	The system of measurement in which the angle is measured in degrees, and its sub-units, minutes and seconds is called the:	A. circular system B. sexagesimal system C. decimal system D. degree system
18	To convert any angle in radians into degrees, we multiply the measure by:	
19	If $\sin \theta + \operatorname{cosec} \theta = 2$, then $\sin^2 \theta + \operatorname{cosec}^2 \theta =$	A. 2 B. 4 C. 0 D. -

20

1° is equal to: