11th Class ICS Mathematics Chapter 9 Test Online

Sr	Questions	Answers Choice
1	180° = _____:	D. π radians
2	Which one is a quadrant angle ?	A. 60° B. 180° C. 120° D. 30°
3	In a circle of radius r, an arc of length kr will subtend in angle of _____ radians at the center:	A. s B. k C. r D. Θ
4	Question Image	A. 30° B. 45° C. 60° D. 75°
5	In a triangle if α > 45°, ß > 30° then Γ cannot be:	A. 90° B. 100° C. 120° D. 10°
6	1 radian is equal to:	C. 180° D. none of these
7	Which one is not a quadrant angle ?	A. 0° B. 90° C. 280° D. 270°
8	To convert any angle in radians into degrees, we multiply the measure by:	
9	If $\sin \Theta + \operatorname{cosec} \Theta = 2$, then $\sin^2 \Theta + \operatorname{cosec}^2 \Theta =$	A. 2 B. 4 C. 0 D. 8
10	$(1 - \cos^2\Theta)(1 + \cot^2\Theta) =$	A. tan²Θ B. 0 C. 1 D. -1
11	The angle between 0° and 360° and co-terminal with - 620° is:	A. 100° B. 200° C. 300° D. 320°
12	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
13	If sin α < 0 and cos α > 0, then α lies in:	A. I B. II C. III D. IV
14	1° is equal to:	
15	$(1 - \sin^2\Theta)(1 + \tan^2\Theta) =$	A. 0 B. 1 C. Θ D. -1
16	$\cos^4\Theta - \sin^4\Theta =$	A. sin 2Θ B. cos 2Θ C. tan 2Θ D. sec 2Θ
17	If cosec Θ > 0 and cot Θ < 0, then terminal arm of the angle lies in:	A. I B. II C. III D. IV

18	If sinΘ <0, cosΘ<0 then the terminal arm of the angle lies in quadrant:	A. I B. II C. III D. IV
19	To convert any angle in degrees into radians, we multiply the measure by:	
20	If the initial side of an angle is the positive x-axis and the vertex is at the origin, the angle is said to be in the _____:	A. initial position B. finalposition C. normalposition D. standardposition
21	In circular system the angle is measured in:	A. radians B. degrees C. degrees, minutes D. degrees, seconds
22	- 72° = _____:	D. none of these
23	The quadrant of an angle Θ is determined by its:	A. sign B. value C. ratio D. magnitude
24	If tan Θ > 0 and sin Θ < 0 then terminal arm of the angle lies in quadrant:	A. I B. II C. III D. IV
25	The area of a sector of a circular region of radius r with length of the arc of the sector equal to s is----------:	A. rΘ B. rs
26	Question Image	
27	Question Image	
28	The number of radius in the angle subtended by an arc of a circle at the center =	A. radius × arc B. radius - arc
29	If s denotes the length of the arc intercepted on a circle of radius r by a central angle of α radians, then:	A. s = rα B. s = r + α D. none of these
30	The direction of an angle Θ is determined by its:	A. value B. magnitude C. ratio D. sign