11th Class ICS Mathematics Test Online

Sr	Questions	Answers Choice
1	The angles 90°±Θ, 180°±Θ, 270°±Θ, 360°±Θ, are the:	A. composite angles B. half angles C. quadrantal angles D. allied angles
2	Question Image	
3	tan (α+ß) =	
4	tan (α - ß) =	
5	cos (α-ß) =	A. cos α cos ß + sin α sin ß B. cos α cos ß - sin α sin ß C. cos α cos ß + sin α cos ß D. sin α cos ß - sin α sin ß
6	sin (α - ß) =	
7	sin (α + ß) =	
8	The distance between the points P(x1, y1) and Q(x2, y2) is:	
9	If sin Θ + cosec Θ = 2, then $\sin^2 Θ + \text{cosec}^2 Θ$ =	A. 2 B. 4 C. 0 D. 8
10	$(1 - \cos^2Θ)(1 + \cot^2Θ)$ =	A. tan²Θ B. 0 C. 1 D. -1
11	$(1 - \sin^2Θ)(1 + \tan^2Θ)$ =	A. 0 B. 1 C. Θ D. -1
12	$\cos^4Θ - \sin^4Θ$ =	A. sin 2Θ B. cos 2Θ C. tan 2Θ D. sec 2Θ
13	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
14	Which one is not a quadrant angle ?	A. 0° B. 90° C. 280° D. 270°
15	Which one is a quadrant angle ?	A. 60° B. 180° C. 120° D. 30°
16	In a triangle if α > 45°, ß > 30° then Γ cannot be:	A. 90° B. 100° C. 120° D. 10°
17	If sinΘ <0, cosΘ<0 then the terminal arm of the angle lies in quadrant:	A. I B. II C. III D. IV
18	If sin α < 0 and cos α > 0, then α lies in:	A. I B. II C. III D. IV
19	If cosec Θ > 0 and cot Θ < 0, then terminal arm of the angle lies in:	A. I B. II C. III

		C. III D. IV
20	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