11th Class FA Mathematics Chapter 10 Online Test

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	A. - cot Θ B. - tan Θ C. tan Θ D. none of these
3	2 sin α cos ß =	A. sin (α + ß) - sin (α - ß) B. cos (α + ß) + cos (α - ß) C. sin (α + ß) + sin (α - ß) D. cos (α + ß) - cos (α - ß)
4	Question Image	A. quad I B. quad. II C. quad. III D. quad. IV
5	2 cos α sin ß =	A. cos (α + ß) + cos (α - ß) B. sin (α + ß) + sin (α - ß) C. sin (α + ß) - sin (α - ß) D. cos (α + ß) + cos (α - ß)
6	Question Image	D. none of these
7	2 sin 12° sin 46° =	A. cos 34° + cos 58° B. sin 34° - sin 58° C. sin 34° + sin 58° D. cos 34° - cos 58°
8	sin (α + ß) =	
9	sin (Θ - π) =	
10	Question Image	A. quad. I B. quad. II C. quad. III D. quad. IV
11	-2 sin α sin ß =	A. sin (α + ß) + sin (α - ß) B. cos (α + ß) + cos (α - ß) C. cos (α + ß) - cos (α - ß) D. cos (α - ß) + cos (α - ß)
12	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
13	sin5Θ + sin3Θ is equal to:	A. 2cos 2Θ sin Θ B. -2 cos 4Θ sin Θ C. -2 sin 4Θ cos Θ D. 2 sin 4Θ cos Θ
14	Question Image	
15	Question Image	
16	Cot1°, Cot2°, Cot3°, ... Cot89° =	A. -1 B. 1 C. ∞ D. none
17	Question Image	
18	Question Image	
19	Question Image	A. 1 + cos Θ B. 1 - cos Θ
		A. quad. I

20	sec (2π + Θ), where Θ is a basic angle will have terminal side in:	B. quad. II C. quad. III D. quad. IV
21	tan (-135°) =	A. 0 B. 1 D. √2
22	If sin α = cos ß in any triangle ABC then:	A. α + ß = 90° B. α + ß = 180° C. α + ß = 360° D. α + ß
23	Tan (294°) =	A. tan24° B. -tan24° C. cot24° D. -cot24°
24	If an angle α is allied to an angle ß, then α ± ß = _____:	A. 90° B. multiple of 90° C. 180° D. multiple of 180°
25	Question Image	
26	2 cos α cos ß =	A. sin (α + ß) - sin (α - ß) B. cos (α + ß) - cos (α - ß) C. cos (α + ß) + cos (α - ß) D. sin (α + ß) + sin (α - ß)
27	A reference angle Θ is always:	
28	tan (270° + Θ) is equal:	A. cot Θ B. tan Θ C. -cot Θ D. -tan Θ
29	The distance between the points P(x1, y1) and Q(x2, y2) is:	
30	Question Image	
31	csc (2π - Θ), where Θ is a basic angle, will have terminal side in:	A. quad. I B. quad. II C. quad. III D. quad. IV
32	tan (α+ß) =	
33	tan (α - ß) =	
34	Question Image	
35	sin (α - ß) =	