Mathematics Fsc Part 1 Online Test

Sr	Questions	Answers Choice
1	Question Image	
2	Question Image	A. - cot Θ B. - tan Θ C. tan Θ D. none of these
3	Question Image	D. none of these
4	Question Image	A. quad. I B. quad. II C. quad. III D. quad. IV
5	Question Image	A. quad I B. quad. II C. quad. III D. quad. IV
6	sin (Θ - π) =	
7	Tan (294°) =	A. tan24° B. -tan24° C. cot24° D. -cot24°
8	A reference angle Θ is always:	
9	The angles 90°±Θ, 180°±Θ, 270°±Θ, 360°±Θ, are the:	A. composite angles B. half angles C. quadrantal angles D. allied angles
10	Question Image	
11	tan (α+ß) =	
12	tan (α - ß) =	
13	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
14	sin (α - ß) =	
15	sin (α + ß) =	
16	The distance between the points P(x1, y1) and Q(x2, y2) is:	
17	If sin Θ + cosec Θ = 2, then $\sin^2 \Theta + \operatorname{cosec}^2 \Theta$ =	A. 2 B. 4 C. 0 D. 8
18	$(1 - \cos^2\Theta)(1 + \cot^2\Theta)$ =	A. tan²Θ B. 0 C. 1 D. -1
19	$(1 - \sin^2\Theta)(1 + \tan^2\Theta)$ =	A. 0 B. 1 C. Θ D. -1
20	$\cos^4\Theta - \sin^4\Theta$ =	A. sin 2Θ B. cos 2Θ C. tan 2Θ D. sec 2Θ