11th Class ICS Mathematics Test Online

Sr	Questions	Answers Choice
1	Question Image	
2	The period of cos 2x is:	
3	Question Image	
4	Question Image	
5	Question Image	
6	The period of 2 - sin 3x is:	
7	The period of sin 2x is:	A. π B. 2π C. 3π
8	Amplitude of sin x is:	A. R B. [-1,1] C. 0 D. 1
9	The amplitude and period of 3 sin x are:	A. 3, π B. 2, 2π C. 3, 3π D. 3, 2π
10	If, for all x in the domain of f, there exists a smallest positive number p such that f (x+p) = f(x), then p is the:	A. period of f B. period of 2f C. period of 3 f D. period of 4 f
11	A function f(x) is said to be the periodic function if, for all x in the domain of f, there exists a smallest positive number p such tat f (x + p) = _____:	A. f (p) B. x + p C. 0 D. f(x)
12	Period of a trigonometric function is:	A. any real number B. any negative real number C. any integer D. a least positive number
13	Graphs of trigonometric function within their domains are:	A. line segments B. sharp corners C. broken lines D. smooth curves
14	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
15	Question Image	
16	Question Image	
17	Question Image	
18	Question Image	
19	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°
20	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)