11th Class ICS Mathematics Test Online

Sr	Questions	Answers Choice
1	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)
2	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)
3	Question Image	A. a + c = b + d B. a + b = c + d C. a - b = c - d D. None of these
4	Question Image	A. zero B. non-singular C. singular D. none of these
5	The range of principal cosine function is:	
6	Question Image	A. additive property B. multiplicative inverseproperty C. transitive property D. negative property
7	Question Image	A. Reflexive property B. Symmetricproperty C. Transitiveproperty D. Trichotomyproperty
8	A geometric series is convergent only if:	A. | r | > 1 B. | r | < 1 C. | r | = 1 D. none of these
9	Question Image	D. 20
10	The number of ways in which fiver persons can sit at a round table is:	A. 4! B. 5! D. none of these
11	If 2s = a + b + c, then in any triangle ABC:	D. all of these
12	Question Image	A. 0 B. 1 C. 3 D. 2
13	Question Image	A. irrational fraction B. polynomial C. rational fraction D. none of these
14	Question Image	A. A B. B
15	Number of digits multiple of 5 made from the digits 2, 3, 5, 7, 9 is:	A. 5 B. 24 C. 20 D. none
16	An infinite sequence has no:	A. nth term B. last term C. sum D. none
17	If a statement P(n) is true for n = 1 and truth of P(n) for n = k implies the truth of P(n) for n = k + 1, then P(n) is true for all:	A. integers n B. real numbers n C. positive real numbers n D. positive integers n
18	Domain of the function y = $\tan^{-1}$ x is:	

19	A die is rolled. The probability that the dots on the top are greater than 4 is:	A. 5, 6 D. 1
20	Question Image	