11th Class ICS Mathematics Test Online

Sr	Questions	Answers Choice
1	A triangle which is not right angle triangle called _____ triangle:	A. acute B. obtuse C. right D. oblique
2	y = tan-1 x if and only if x = tan y, where:	A. -1 < x < 1 and - π < y < π
3	The lengths of the sides of a triangle are proportional to the sines of the opposite angles to the sides. This is known as:	A. The law of sines B. The law of cosines C. The law of tangents D. The fundamental law
4	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)
5	Question Image	A. x = 0 B. y = 0 C. x = 0 and y = 0 D. x = 0 or y = 0
6	Question Image	A. linear equation B. Quadraticequation C. cubicequation D. radicalequation
7	Reciprocals of the terms of the geometric sequence form:	A. A.P B. G.P C. H.P D. none
8	In how many ways two places can be filled by n objects:	A. n(n-1) B. 2! C. n(n+1) D. None
9	Question Image	
10	$\tan^{-1}(-\sqrt{3})$ is:	
11	If ${}^{n}P_{2} = 30$ then n = :	A. 5 B. 6 C. 2 D. 3
12	The range of principal tangent function is:	
13	$\cos(\tan^{-1}\infty)$ =	A. 0 B. ∞ C. 1
14	Question Image	A. set builder notation B. tabular form C. descriptive method D. non-set builder method
15	If α, ß, Γ are the angles of a oblique triangle, then:	A. α = 90° B. ß = 90° C. Γ = 90° D. none of these
16	The number of radius in the angle subtended by an arc of a circle at the center =	A. radius × arc B. radius - arc
17	A matrix in which each element is 0 is called:	
18	The factorial of positive integer is:	A. rational no. B. positive integer C. real no. D. none
19	Question Image	

20	If $z_1 = 4i$ and $z_2 = 3 - 9i$, then $z_1 + z_2 =$	A. 3 - 5i B. 3i - 5 C. 7 - 9i D. 3 + 5i