

## 11th Class ICS Mathematics Test Online

Sr	Questions	Answers Choice
1	Question Image	D. 20
2	The solution set of $sin\Theta$ , $cos\Theta$ = 1 in [0, $2\pi$ ] is:	A. 0 C. solution does not exist
3	When two sides and included angle is given, then area of triangle is given by:	D. all of these
4	The area of a sector of a circular region of radius r with length of the arc of the sector equal to s is:	A. r⊖ B. rs
5	If a set is described in words, the method is called:	A. tabular form B. descriptiveform C. set builder notation D. non-tabular method
6	In any triangle ABC, law of tangents is:	D. all of these
7	Which one is a quadrant angle ?	A. 60° B. 180° C. 120° D. 30°
8	For what value of k, the roots of the equation $x^2 + \sqrt{k} x + 2 = 0$ are equal:	A. 1 B. 8 C. 2 D. 4
9	Question Image	
10	If W = {0, 1, 2, 3, 4,}, N = {1, 2, 3, 4} then N - W = ?	A. W B. {0} D. none of these
11	$\cos^4\Theta$ - $\sin^4\Theta$ =	A. sin 2Θ B. cos 2Θ C. tan 2Θ D. sec 2Θ
12	If two sets have no element common, they are called:	A. disjoint B. over lapping C. dissimilar D. exhaustive
13	If 2s = a + b + c, then in any triangle ABC:	D. all of these
14	Question Image	
15	$\boldsymbol{\pi},$ e are:	A. integers B. natural numbers C. rationalnumbers D. irrationalnumbers
16	In binomial expansion of (a+b)n, n is positive integer the sum of even coefficients equals:	D. none of these
17	A circle which touches one side of a triangle externally and the other two produces sides internally is known as:	
18	Numbers are formed by using all the digits 1, 2, 3, 4, 5, 6 on digit being repeated, then the numbers which are divisible by 5 are:	A. 110 B. 120 C. 122 D. 124
19	The number of radius in the angle subtended by an arc of a circle at the center =	A. radius × arc B. radius - arc
20	Minors and co-factors of the elements in a determinant are equal in magnitude but they may differ in:	A. order B. position C. sign D. symmetry