11th Class ICS Mathematics Test Online

Sr	Questions	Answers Choice
1	A set containing finite number of elements is called:	A. nullset B. superset C. finiteset D. infiniteset
2	Trigonometric equation has _____ solutions:	A. unique B. finite C. infinite D. no
3	$\tan(\pi + \tan^{-1}x) =$	A. x B. π+x C. π-x D. none of these
4	Question Image	
5	The angle between 0° and 360° and co-terminal with - 620° is:	A. 100° B. 200° C. 300° D. 320°
6	In triangle ABC, if α = 90° then:	D. none of these
7	If $a_{n-3} = 2n - 5$ then $a_n =$	A. 2n-1 B. 2n+1 C. 2n+3 D. none
8	n! stands for:	A. product of first natural numbers B. sum of n natural numbers C. product of n integers D. none of these
9	Conjugate of a + i b is:	A. -a + ib B. a + ib C. -a - ib D. a - ib
10	- 72° = _____:	D. none of these
11	Question Image	
12	Two matrices X and Y are equal if and only if:	A. X and Y are of same order B. Their corresponding elements are equal C. Both a and b D. None of these
13	Question Image	A. a is an element of a set A B. a is subset of A C. a is a whole number D. a contains A
14	Question Image	A. additive property B. multiplicative inverseproperty C. transitive property D. negative property
15	A matrix in which each element is 0 is called:	
16	No. of triangles can be formed by joining the vertices of the polygon having 5 sides ?	A. 10 B. 15 C. 20 D. none of these
17	If A is a square matrix order 3 × 3 the |kA| equals:	A. k |A| B. k²|A| C. k³ |A| D. k⁴ |A|
18	Question Image	A. - cot Θ B. - tan Θ C. tan Θ

		D. none of these
19	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)
20	Question Image	D. 20