

11th Class ICS Mathematics Test Online

Sr	Questions	Answers Choice
1	Question Image	
2	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
3	Question Image	A. 4 B. 6 C. 8 D. 10
4	Tickets numbered 1 to 20 are mixed up and then a ticket is drawn at random. What is the probability that the ticket drawn bears a number which is a multiple of 3 ?	D. none of these
5	The correct order of first ionization energies is.	A. $F > He > Mg > N > O$ B. $He > F > N > O > Mg$ C. $He > O > F > N > Mg$ D. $N > F > He > O > Mg$
6	If triangle ABC, If $\beta = 90^\circ$ then:	D. none of these
7	The range of principal tangent function is:	
8	Question Image	A. $\tan x$ B. $\cot x$
9	Question Image	
10	$\sin(\alpha - \beta) =$	
11	Question Image	A. 3 B. -3 C. $1/3$ D. $-1/3$
12	Question Image	
13	In any triangle ABC, law of tangents is:	D. all of these
14	If A is a square matrix, then $A - A^t$ is:	
15	Question Image	
16	If A is a matrix of order $m \times n$ and B is a matrix of order $n \times p$ then the order of AB is:	A. $p \times m$ B. $p \times n$ C. $n \times p$ D. $m \times p$
17	In $2s = a + b + c$, then in any triangle ABC:	D. all of above
18	If α, β are complex cube roots of unity, then $1 + \alpha^n + \beta^n = \dots\dots\dots$ where n is a positive integer divisible by 3:	A. 1 B. 3 C. 2 D. 4
19	If any two rows of a square matrix are interchanged, the determinant of the resulting matrix:	A. is zero B. is multiplicative inverse of the determinant of the original matrix C. is additive inverse of the determinant the original matrix D. none of these
20	In a simultaneous throw of two dice, The probability of getting a total of 7 is:	