

11th Class ICS Mathematics Test Online

Sr	Questions	Answers Choice
1	Domain of the function $y = \tan^{-1} x$ is:	
2	The period of $\cot x$ is:	
3	Question Image	A. {1, 2, 3} B. {5, 6, 7} C. {4}
4	The number of subsets of a set having three elements is:	A. 2 B. 3 C. 4 D. 8
5	In a triangle if $\alpha > 45^\circ$, $\beta > 30^\circ$ then Γ cannot be:	A. 90° B. 100° C. 120° D. 10°
6	Question Image	
7	When a rational fraction is separated into partial fractions, the result is:	
8	Which one is radical equation:	A. $ax^2 + bx + c$ B. $ax + b = 0$ D. $2\sqrt{x} = 16$
9	Factors of $x^2 + y^2$ are:	A. $(x + iy)(x - iy)$ B. $(x + y)(x - y)$ C. $(x + y)(x + y)$ D. none
10	The trivial solution of the homogeneous linear equations is:	A. (1, 0, 0) B. (0, 1, 0) C. (0, 0, 1) D. (0, 0, 0)
11	If an angle α is allied to an angle β , then $\alpha \pm \beta =$ _____:	A. 90° B. multiple of 90° C. 180° D. multiple of 180°
12	Question Image	A. integer B. rational number C. irrational number D. natural number
13	If A is a square matrix, then $A + A^t$ is:	
14	Complex roots of real quadratic equation always occur in:	A. conjugate pair B. ordered pair C. reciprocal pair D. none of these
15	No. of arrangements can be made of 4 letters a, b, c, d taken 2 at a time ?	A. 8 B. 12 C. 10 D. 14
16	The conjunction of two statements p and q is denoted by:	
17	A clock strikes once when its hour hand is at one, twice when it is at two, and so on. How many times does the clock strike in ten hours ?	A. 55 B. 78 C. 66 D. 46
18	$\sin^{-1}(-x) =$	A. $-\sin^{-1} x$ B. $\sin^{-1} x$ C. $\pi + \cos^{-1} x$ D. $-\cos^{-1} x$
19	Question Image	A. 3×3 B. 3×2 C. 2×1 D. 2×2

