

11th Class ICS Mathematics Test Online

Sr	Questions	Answers Choice
1	Probability of an impossible event is:	A. 0 B. 1 C. -1 D. ∞
2	If, for all x in the domain of f , there exists a smallest positive number p such that $f(x+p) = f(x)$, then p is the:	A. period of f B. period of $2f$ C. period of $3f$ D. period of $4f$
3	Complex roots of real quadratic equation always occur in:	A. conjugate pair B. ordered pair C. reciprocal pair D. none of these
4	A dice is rolled, the probability of getting a number which is even or greater than 4 is:	D. none of these
5	The solution set of $\sin\theta, \cos\theta = 1$ in $[0, 2\pi]$ is _____:	A. 0 C. solution does not exist
6	If the elevation of the sun is 30° , the length of the shadow cast by a tower of 150m height is:	D. none
7	Question Image	D. diagonal matrix
8	If $2s = a + b + c$, then in any triangle ABC:	D. all of these
9	Question Image	
10	Conjugate of complex number $(-a, -b)$ is:	A. $(-a, b)$ B. $(-a, -b)$ C. $(a, -b)$ D. none of these
11	Question Image	
12	Question Image	
13	If A is a square matrix order 3×3 the $ kA $ equals:	A. $k A $ B. $k^2 A $ C. $k^3 A $ D. $k^4 A $
14	Question Image	A. $\tan x$ B. $\cot x$
15	Question Image	A. quadratic equation B. reciprocal equation C. exponential equation D. none of these
16	Question Image	
17	Question Image	A. $\cos x$ B. $\sec x$
18	Question Image	
19	Four fourth roots of 625 are:	A. $\pm 5, \pm 5i$ B. $\pm 5, \pm 25i$ C. $\pm 25, \pm 25i$ D. none of these
20	Question Image	