

11th Class ICS Mathematics Test Online

Sr	Questions	Answers Choice
1	$2 \sin \alpha \cos \beta =$	A. $\sin(\alpha + \beta) - \sin(\alpha - \beta)$ B. $\cos(\alpha + \beta) + \cos(\alpha - \beta)$ C. $\sin(\alpha + \beta) + \sin(\alpha - \beta)$ D. $\cos(\alpha + \beta) - \cos(\alpha - \beta)$
2	Question Image	A. r^1 B. r^2 C. r^3 D. r
3	$\sin(\alpha - \beta) =$	
4	$\cos(\alpha - \beta) =$	A. $\cos \alpha \cos \beta + \sin \alpha \sin \beta$ B. $\cos \alpha \cos \beta - \sin \alpha \sin \beta$ C. $\cos \alpha \cos \beta + \sin \alpha \cos \beta$ D. $\sin \alpha \cos \beta - \sin \alpha \sin \beta$
5	Which of the following is correct:	A. $2 + 7i$ > $10 + i$ B. $1 + i$ > $1 - i$ C. $4 + 3i$ > $1 + 3i$ D. none of these
6	The quadrant of an angle Θ is determined by its:	A. sign B. value C. ratio D. magnitude
7	A dice is thrown. The probability to get an even number is:	A. 1 D. none of these
8	The domain of principal sine function is:	
9	Question Image	A. 3×1 B. 1×3 C. 3×3 D. 1×1
10	The multiplicative identity of real numbers is:	A. 0 B. 1 C. 2 D. -1

11	If a set is described in words, the method is called:	B. descriptive form C. set builder notation D. non-tabular method
12	If ${}^nP_2 = 30$ then $n =$:	A. 5 B. 6 C. 2 D. 3
13	Question Image	
14	$\tan(294^\circ) =$	A. $\tan 24^\circ$ B. $-\tan 24^\circ$ C. $\cot 24^\circ$ D. $-\cot 24^\circ$
15	Question Image	A. linear equation B. Quadratic equation C. cubic equation D. radical equation
16	The distance between the points $P(x_1, y_1)$ and $Q(x_2, y_2)$ is:	
17	Question Image	A. quadratic equation B. reciprocal equation C. exponential equation D. none of these
18	The other name of quadratic equation is:	A. linear equation B. 1st degree equation C. 2nd degree equation D. none
19	$i^2 + 1 =$	A. -1 B. 0 C. i D. 1
20	$\cos(2\sin^{-1} x) =$	A. $1 - 2x^2$ B. $1 + 2x^2$ C. $2x^2 - 1$ D. $x^2 - 1$