

11th Class ICS Mathematics Test Online

Sr	Questions	Answers Choice
1	Two A.Ms. between 3 and 9 are:	A. 3, 6 B. 5, 7 C. 6, 12 D. 3, 9
2	The number of diagonals of a polygon with n sides is:	D. none of these
3	Factors of $x^2 + y^2$ are:	A. $(x + iy)(x - iy)$ B. $(x + y)(x - y)$ C. $(x + y)(x + y)$ D. none
4	The period of $\sec 3x$ is :	
5	Question Image	
6	If there are six G.Ms between 3 and 284 then $G_4 =$	A. 24 B. 48 C. 12 D. 6
7	If a set is described by listing its elements within brackets is called:	A. set builder notation B. tabular form C. descriptive method D. none of these
8	A function whose domain is the set of natural numbers is called the:	A. series B. sequence C. means D. convergent
9	$\cos(2\sin^{-1} x) =$	A. $1 - 2x^2$ B. $1 + 2x^2$ C. $2x^2 - 1$ D. $x^2 - 1$
10	$\tan(\alpha - \beta) =$	
11	No. of diagonals can be formed by joining the vertices of the polygon having 5 sides ?	A. 5 B. 15 C. 51 D. 10
12	Question Image	
13	$\sin(\alpha + \beta) =$	
14	Inverse sine function is written as:	A. $(\sin x)^{-1}$ B. $\sin^{-1} x$ C. $\arcsin x$ D. $\arcsin^{-1} x$
15	Question Image	
16	If the initial side of an angle is the positive x-axis and the vertex is at the origin, the angle is said to be in the _____:	A. initial position B. final position C. normal position D. standard position
17	If two sets have no element common, they are called:	A. disjoint B. overlapping C. dissimilar D. exhaustive
18	$r_1 =$	
19	A function $f(x)$ is said to be the periodic function if, for all x in the domain of f , there exists a smallest positive number p such that $f(x + p) =$ _____:	A. $f(p)$ B. $x + p$ C. 0 D. $f(x)$
20	Question Image	

