

11th Class ICS Mathematics Test Online

Sr	Questions	Answers Choice
1	$^{n}C_{4}$ = $^{n}C_{8}$ then n = :	A. 4 B. 12 C. 8 D. 6
2	The direction of an angle Θ is determined by its:	A. value B. magnitude C. ratio D. sign
3	A compound statement of the form "if p then q" is called an:	A. tautology B. conditional C. consequent D. absurdity
4	The range of principal cosine function is:	
5	The range of $y = cos^{-1} x$ function is:	
6	The ordered pairs (4, 5) and (5, 4) are:	A. same B. different C. both a and b D. N
7	$2\cos\alpha\sin\beta=$	A. $\cos (\alpha + \beta) + \cos (\alpha - \beta)$ B. $\sin (\alpha + \beta) + \sin (\alpha - \beta)$ C. $\sin (\alpha + \beta) - \sin (\alpha - \beta)$ D. $<\text{div}>\cos (\alpha + \beta) + \cos (\alpha - \beta)$
8	180° =:	D. π radians
9	Question Image	
10	What is called the arrangement of numbers formed according to some definite rule?	A. arithmetic sequence B. geometricsequence C. sequence D. none of these
11	Number of terms in the expansion of (x+y) ⁶ is:	A. 7 B. 6 C. 2 D. 8
12	If $P(x)$ is a polynomial of degree m and $Q(x)$ is a polynomial of degree n, the quotient $P(x) + Q(x)$ will produce a polynomial of degree:	A. m.n, plus a quotient B. m-n, plus a remainder C. m÷n, plus a factor D. m+n, plus a remainder
13	No. of diagonals can be formed by joining the vertices of the polygon having 5 sides ?	A. 5 B. 15 C. 51 D. 10
14	No. of triangles can be formed by joining the vertices of the polygon having 12 sides?	A. 202 B. 220 C. 110 D. none of these
15	Question Image	A. singular B. non-singular C. rectangular D. null
16	Question Image	A. rationalnumber B. irrationalnumber C. naturalnumber D. wholenumber
17	A sequence of numbers whose reciprocal form an arithmetic sequence, is known as:	A. arithmetic sequence B. geometricsequence C. harmonicsequence D. none of these

18	The series 2 + 2 + 2 is:	A. divergent B. convergent C. oscillatory D. none of these
19	Sum of all four fourth roots of unity is:	A. 1 B. 0 C1 D. 3
20	sin ⁻¹ (-x) =	Asin ⁻¹ x B. sin ⁻¹ x C. π + cos ⁻¹ x Dcos ⁻¹ x