

## 11th Class ICS Mathematics Test Online

Sr	Questions	Answers Choice
1	Sum of integral multiples of there between 4 and 22 is:	A. 81 B. 75 C. 211 D. none
2	The ordered pairs (4, 5) and (5, 4) are:	A. same B. different C. both a and b D. N
3	To draw general conclusions from well-known facts is called:	A. logic B. proposition C. induction D. deduction
4	A dice is thrown. The probability to get an odd number is;	A. 1 D. none of these
5	For a positive integer n:	A. $(n+1)! = (n+1)n!$ B. $(n+1)! = (n+1)(n-1)!$ C. $n! = n(n+1)!$ D. none of these
6	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 $f$ such tat $f(x+f) = $ :	A. f (p) B. x + p C. 0 D. f(x)
7	cos (α-ß) =	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. $\sin \alpha \cos \beta - \sin \alpha \sin \beta$
8	Question Image	A. p is false and q is true B. both p and q are false C. p is true and q is false D. both p and q are true
9	Sum of all positive integral multiples of 3 less than 100 is:	A. 950 B. 760 C. 1230 D. 875
10	What is the general term of the sequence 2, 4, 6, 8,?	A. 2n B. n + 1 C. 2n <sup>2</sup> D. none of these
11	Question Image	
12	The quadrant of an angle $\Theta$ is determined by its:	A. sign B. value C. ratio D. magnitude
13	Question Image	A. 0
14	The range of principal cosine function is:	
15	For a square matrix A,  A  equals:	A. A <sup>t</sup> B.  A <sup>t</sup>   C A <sup>t</sup>   DA <sup>t</sup>
16	Question Image	A. 3×2 B. 2×3 C. 2×2 D. 3×3
17	tan <sup>-1</sup> (-x) =	A. tan <sup>-1</sup> x B. cot <sup>-1</sup> x Ctan <sup>-1</sup> x Dcot <sup>-1</sup> x

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18	In an A.P.a <sub>3</sub> = 12 and a <sub>7</sub> = 32 then d = :	A. 5 B. 3 C. 7 D. 9
19	Solution set of the equation $x^2 - 3x + 2 = 0$ is	A. {-1, 2} B. {1, -2} C. {-1, -2} D. {1, 2}
20	Question Image	