Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	Minor of an element a_{ij} is denoted by	A. M_{ij} B. A_{ij} C. $|A|$ D. None of these
2	Question Image	
3	Question Image	
4	Question Image	A. sin h x B. cos h x C. tan h x D. cot h x
5	The set of whole numbers is subset of	A. The set on integers B. The set of natural numbers C. {1, 3, 5, 7, ...} D. The set of prime numbers
6	The probability to get an odd number in a dice thrown once is	A. 1/2 B. 1/6 C. 1/3 D. 2
7	The sum of the odd coefficients in the expansion of $(a + x)^4$ is	A. 14 B. 12 C. 8 D. 4
8	If the intersecting plane is parallel to a generator of the cone, but intersects its one nappe only, the curve obtained is	A. an ellipse B. a hyperbola C. a circle D. a parabola
9	The set of natural no. is closed under	A. multiplication B. subtraction C. difference D. division
10	Question Image	
11	Question Image	A. additive property B. multiplicative property C. additive inverse D. additive identity
12	For each natural number n, n (n+1) is	A. an even B. an odd C. multiple of 3 D. Irrational
13	Question Image	A. cos x B. sec x tan x C. $sec^2 x$ D. $-cosec^2 x$
14	Range of 3 sin x is _____	A. [-3, 3] B. [-1, 1] C. R D. None of these
15	Question Image	
16	Question Image	
17	The modulus of 12-5i is:	A. 7 B. 13 C. $\sqrt{7}$ D. 119
18	In following question, a number series is given with one term missing. choose the correct alternative that will same pattern and fill in the blank spaces.1 , 4, 9, 16, 25, x	A. 35 B. 36 C. 48

19	The condition for polynomial equation $ax2 + bx + c = 0$ to be quadratic is	A. a > 0 B. a < 0 C. a≠ 0 D. a≠ 0,b ≠ 0
20	$2x^3+ 3x + 9$ is a _____	A. Polynomial of degree 3 B. Quadratic equation C. Cubic equation D. Polynomial of degree 2