Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	The multiplicative inverse of -3i is	A. 3i B. -3i C. -1/3i D. 1/3 i
2	The ellipse and hyperbola are called	A. Concentric conics B. Central conics C. Both a b D. None
3	Question Image	D. none of these
4	If a and b are two vectors then a+b =	A. b + a B. b - a C. ab D. a^ b
5	Which of the following us a scalar	A. displacement B. velocity C. acceleration D. density
6	1 + 2 + 3 + ... + n = _____	
7	Question Image	A. cos 2x B. 2 cos 2x C. 2 sin2x D. -2 cos2x
8	In how many ways can 5 persons be seated at a round table	A. 5! B. 4! C. 3! D. 120
9	If 2x +y + λ =0 is normal to parabola y2 =-8x,λ= _____	A. 12 B. 8 C. 24 D. -24
10	The root of the quadratic equation are	A. 3 B. 2 C. 1 D. 4
11	A committee consists of 9 experts taken from three institutions A, B, and C, of which 2 are from, A, 3 form B and 4 from C. If three experts resign, then the probability that they belong to different institutions is	A. 1 / 729 B. 1 / 24 C. 1 / 21 D. 2 / 7
12	The set { {a, b} } is	A. Infinite set B. Singleton set C. Two points set D. Empty set
13	Question Image	
14	Range of cosec θ is	A. W - {y | -1 < y < 1} B. R - {y | -1 < y < 1} C. O - {y | -1 < y < 1} D. R
15	The order axioms are satisfied by set of	A. C B. C and R C. R D. None of these
16	Question Image	
17	an -an-1, ∀ n ∈ N ∧ n>1 in an A.P is called	A. Common difference B. nth term C. Common ratio D. None of these
		A. CBA'

18	(ABC)' =	B. CBA C. C'B'A D. C'B'A'
19	How many terms of the A.P 3,6,9,12,15..........must be taken to make the sum 108	A. 8 B. 6 C. 7 D. 36
20	1/3 is _____	A. A prime number B. An integer C. A rational number D. An irrational number