Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	Question Image	A. A = C B. A = B C. B = C D. None of these
2	Question Image	A. 0 B. 1 C. -1 D. None of these
3	The distance of the point (a, b) from x-axis is	A. a B. b C. a + b
4	Question Image	
5	The first three terms in the expansion of $(1 + x)^{-1}$are	A. 1 + x + x² B. 1 - x - x² C. -1 -x + x² D. 1 - x + x²
6	The roots of the equation ax^2+ bx + x = 0 are real and distinct if	A. b²- 4ac <0 B. b²- 4ac = 0 C. b²- 4ac > 0 D. None of these
7	The common point to four standard parabolas	A. Focus B. Centre C. Vertex D. P(x,y)
8	f(x) = $3x/x^2$ + 1 is:	A. an even function B. an odd function C. an even and implicit function D. neither even nor a odd
9	If|a| =|b| = |a+b|=1, then|a-b| is equal to:	A. 1 B. √3 C. √2 D. 7
10	for n€ N, 3^{2n+7} is divisible by	A. 7 B. 8 C. 9 D. 10
11	A non-terminating, non-recurring decimal represent	A. A natural number B. A rational number C. An irrational number D. A prime number
12	Question Image	A. I quadrant B. II quadrant C. III quadrant D. IV quadrant
13	Question Image	A. I quadrant B. II quadrant C. III quadrant D. IV quadrant
14	If for two events A and B , P(A∪B)=1,then events A and B are	A. Certain events B. Mutually exclusive C. Complementary events D. Independent
15	Question Image	A. 15 B. 15 i C. -15 i D. -15
16	If f (x) = |x|, then (0,0) is the	A. Critical point B. Inflection point C. Stationary point

		D. None of these
17	The magnitude of vector a 2i-7j is	A. √23 B. √43 C. 3 D. √53
18	For two vector a and b, a+b = _____	A. a b B. b+a C. b-a D. None
19	Associative law of multiplication	A. ab - ba B. a(bc) = (ab) c C. a(b + c) = ab +ac D. (a +b)c = ac + bc
20	The set of the first elements of the orders pairs forming a relations is called its	A. Relation in B B. Range C. Domain D. Relation in A