Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	The mid point of the line segment joining the points (4,0) and (0,4) is	A. (4,4) B. (2,2) C. (-4,-4) D. (-2,-2)
2	The negative square root of 9 can be written as:	A. $-\sqrt{9}$ B. $\sqrt{9}$ C. $\sqrt{18}$ D. $-\sqrt{18}$
3	If a polynomial P(x) is divided by x - a, then the remainder is	A. P(o) B. P(-a) C. P(a) D. None of these
4	Question Image	
5	The expansion of $(1 - 3x)^{-1}$ is valid if	A. $\|x\| < 1$ B. $\|x\| < 3$ C. $\|x\| < 1/3$ D. None of these
6	If the distance of any point on the curve from any of the two lines approaches zero then it is called	A. Axis B. Directrices C. Asymptotes D. None
7	Question Image	A. 8 B. 1/56 C. 56 D. None of these
8	Every subset of a finite set is	A. Disjoint B. Null C. Finite D. Infinite
9	Question Image	
10	$f(x) = x3-x/x2+1$ is :	A. an even function B. an odd function C. an even and implicit function D. neither even nor a odd
11	Question Image	A. 12 B. 6 C. 8 D. none of these
12	Question Image	A. 8 B. 9 C. 10 D. 11
13	Question Image	
14	The set $\{x\|x \in N \wedge x-4=0\}$ in tabular form is	A. {-4} B. {0} C. {} D. None of these
15	The null vector is regarded to be perpendicular to	A. Every vector B. In some cases C. Both a b D. None
16	Question Image	A. x^3 B. $3x^2$ C. 3x D. 3
17	A point of a solution region where two of its boundary lines intersect, is called	A. Boundary B. Inequality C. Half plane

18	150°= _____	
19	In R, the additive inverse of a is	A. 0 B. 1 C. -a D. 1/a
20	The number of real tangents that can be drawn to the ellipse $3x^2 + 5y^2 = 32$ passing thro. (3, 5) is	A. 0 B. 1 C. 2 D. Infinite