Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	-2, 1, 4, 7,.... is _____	A. Harmonic sequence B. Arithmetic sequence C. Geometric sequence D. Arithmetic series
2	The solution set of x < 4 is	A. ∞ < x < 4 B. ∞ > x > 4 C. ∞ < x < 2 D. ∞ > x > 2
3	if $f(x) = x^3 - 3x^2 + 5x - 1$, then $f(-\sqrt{2})=$	A. $7+7\sqrt{2}$ B. $3+3\sqrt{2}$ C. $-7-7\sqrt{2}$ D. $-3-3\sqrt{2}$
4	Which conjunction is not true ?	
5	Corner point of the system $x - y \le 2, x + y \le 4, 2x - y \le 6, x \ge 0, y \ge 0$	A. (1,4) B. (4,2) C. (3,1) D. (4,1)
6	Question Image	B. 1 C. 2 D. -2
7	Question Image	
8	Question Image	A. 4 B. 6 C. 8 D. 10
9	cos2a=_____;	A. cos2 a-sin2 a B. 2cos2 a-1 C. 1-2 sin2 a D. All of these
10	Which element is the additive inverse of (a, b) in Complex numbers?	A. (a, 0) B. (0, b) C. (a, b) D. (-a, -b)
11	If $x^3 + ax^2 - a^2x - a^3$ is divided by x + a, then the remainder is	A. 0 B. a^3 C. $2a^3$ D. $-2a^3$
12	The order of the matrix A is 3 x 2 and that of B is 2 x 3. The order of the matrix BA is	A. 3 x 3 B. 3 x 2 C. 2 x 5 D. 5 x 2
13	Question Image	A. 1

13	Question Image	B. 2 C. 3
14	Question Image	
15	The line y =mx +1 is tangent to the parabola y2 =4x if	A. m=1 B. m=2 C. m=3 D. m=4
16	√25 is a number	A. Rational B. Irrational C. Natural D. Odd
17	Question Image	
18	Question Image	A. I quadrant B. II quadrant C. III quadrant D. IV quadrant
19	Question Image	
20	The sixth term of the sequence 1,3,12,60....is	A. 1500 B. 72 C. 2160 D. 2520