Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	The order axioms are satisfied by set of	A. C B. C and R C. R D. None of these
2	If $ab > 0$ and $a < 0$, which of the following is negative?	A. b B. -b C. -a D. $(a - b)^2$
3	Question Image	
4	The vertices of the ellipse $x^2 + 4y^2 = 16$ are	
5	The distance of the point (a,b) from y-axis is	A. a B. b C. a + b
6	Question Image	
7	$\sin(2\pi - \theta)$	A. $\cos\theta$ B. $\sin\theta$ C. $\tan\theta$ D. $-\sin\theta$
8	The probability of getting a number between 1 and 100 which is divisible by 1 and itself if only is	A. 1 / 4 B. 1 / 2 C. 3 / 4 D. 25 / 98
9	Question Image	
10	Each complex cube root of unity is square of	A. itself B. 1 C. -1 D. the other
11	$r + 3 > 5$ then which is true	A. $r + 2 > 4$ B. $r + 2 < 4$ C. $r + 2 = 4$ D. None
12	Fifteen girls compete in a race. The first three places can be taken by them in	A. 3! ways B. 12! ways C. 15 x 14 x 13 ways D. 42 ways
13	Question Image	A. $(a + b)c = a \cdot c + bc$ B. $a + b = b + a$ C. $(a + b) + c = a + (b + c)$ D. $a(b + c) = ab + ac$
14	The sum of even coefficient in the binomial expansion is	A. 2^{n+1} B. 2^n C. 2^{n-1} D. 2n
15	The unit vector along y-axis is	D. none of these
16	Question Image	A. 5 B. 25 D. 3
17	Question Image	
18	A point of a solution region where two of its boundary lines intersect, is called	A. Boundary B. Inequality C. Half plane D. Vertex

19	If A is a non-singular matrix then adj A is	A. Non-singular B. Symmetric C. Singular D. Non defined
20	Question Image	A. Associative property of addition B. Commutative property of addition C. Distributive property D. Additive identity