Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	The distance of the point (-2 , 3) from y-axis is	A. 2 B. -2 C. 3 D. 1
2	The order axioms are satisfied by set of	A. C B. C and R C. R D. None of these
3	Two matrices A and B are conformable for the product AB if	A. Both A and B are square B. Both A and B are symmetric C. Number of rows of A = number of columns of B D. Number of columns of A = number of rows of B
4	A person standing on the bank of a river observes that the angle subtended by a tree of the opposite bank is 60°, when he retreats 40 m from the bank, he finds the angle to be 30°. The height of the tree and the breadth of the river are	
5	The point of concurrency of the medians of a triangle is called	A. incentre B. circumcentre C. e-centre D. centroid
6	For a positive integer n	A. $n! = n(n + 1)$ B. $n! = n(n+1)!$ C. $n! = n(n - 1)$ D. $n! = n(n - 1)!$
7	The square roots of negative numbers is called	A. Real no B. Complex no C. Positive no D. Negative no
8	Question Image	A. -a -b -c B. 1 C. 0 D. -1
9	x = -1 is in the solution of the inequality	A. $x + 5 < 0$ B. $2x + 3 < 0$ C. $x > 0$ D. $2x + 3 > 0$
10	Question Image	A. -1 B. 0 C. 1 D. None of these
11	Two sets A and B are said to be disjoint if	
12	If sin $(\pi\cos\theta)$ = cos $(\pi\sin\theta)$, then which of the following is correct?	
13	Power set of X i.e P(X)..........under the binary operation of union U	A. Forms a group B. Does not form a group C. Has no identity element D. Infinite set although X is infinite
14	Question Image	A. Square matrix B. Row matrix C. Symmetric matrix D. Null matrix
15	The sum of all even numbers less than 100 is	A. 2450 B. 2352 C. 2272 D. 2468
16	pth term of an H.P. is qr and qth term is pr then the rth term of the H.P. is	A. pqr B. 1 C. pq D. pqr^2

17	Intersection of two parabolas	A. parabola B. Two points C. Four points D. Hyperobla
18	graph of trigonometric function y = sec x does not meet	A. x - axis B. y -axis C. both axis D. None of these
19	Question Image	A. 0 B. 1 C. -1 D. 2
20	Power set of X i.e P(X) _____ under the binary operation of union U	A. Forms a group B. Does not form a group C. Has no identity element D. Infinite set although X is infinite