Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	The magnitude of vector a=i-3j+5k is:	A. 3 B. √35 C. √17 D. √35
2	Out of 10, 000 families with 4 children each, the number of families all of whose children are daughters is	A. 375 B. 500 C. 625 D. 150
3	Three right angles is the angle of measure	A. 270° B. 180° C. 90° D. 270'
4	The obtuse angle between lines = -2 and y = x +2 is	A. 120° B. 135° C. 150° D. 140°
5	u,v,wand u x (v.w) are	A. Equal B. Parallel C. Additive immense of each other D. Meaningless
6	Question Image	
7	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
8	Let A be a square matrix. Then, 1/2 (A-A') is	A. Skew-symmetric B. Symmetric C. Null D. None of the above
9	How many necklaces can be made from 6 beads of different colours?	A. 120 B. 60 C. 24 D. 15
10	Question Image	
11	√x = _____ if is a prime number	A. Rational no B. Natural no C. Irrational no D. Complex no
12	Question Image	A. 3 x 1 B. 1 x 3 C. 3 x 3 D. 1 x 1
13	A _____ divides the plane into left and right half planes.	A. Vertical line B. Horizontal line C. Non vertical line D. Inequality
14	Question Image	A. Diagonal matrix B. Scalar matrix C. Triangular matrix D. Identity matrix
15	Question Image	A. Identity matrix B. Diagonal matrix C. Null matrix D. Hermitian matrix
16	If the elevation of the sun is 30°, then the length of the shadow cast by a tower of 150 ft height is	
17	Question Image	A. additive property B. multiplicative property

		C. additive identity
		D. multiplicative identity
18	Question Image	
19	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
20	Question Image	