

Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	Question Image	A. 0 B. 1 C1 D. none of these
2	Question Image	
3	If A is a skew-symmetric matrix of order n and P, any square matrix of order n.prove that P' AP is	A. Skew-symmetric B. Symmetric C. Null D. Diagonal
4	The exact value of cos-1 (0) is	A. π/2 Bπ/2 C. 3π D. π-π/6
5	Question Image	
6	Question Image	
7	A die is rolled. What is the probability that the dots on the top are greater than 4?	A. 1/4 B. 1/2 C. 1/3 D. 1/33
8	Question Image	
9	The differential equations of all conis whose axes coincide with the co-ordinate axis is	
10	Question Image	
11	A series consisting of an unlimited number of terms is termed as an	A. Finite sequence B. Infinite sequence C. ^{Infinite series} D. geometric sequence
12	If z_1 = 2 + 6i and z_2 = 3 + 7i, then which expression defines the product of z_1 and z_2 ?	A. 36 + (-32)i B36 + 32i C. 6 + (-11)1 D. 0, +(-12)i
13	Question Image	
14	A and B throw a dice. The probability that A's throw is not greater then B's is	A. 5 / 12 B. 7 / 12 C. 1 / 6 D. 1 / 2
15	Question Image	
16	The value of x which is unchanged by the mapping in the function defined by f ; $x \square x^2 + 5x - 5$ for $x > 0$ is	A. 1 B. 5 C5 D1
17	Question Image	
18	If A = [aij]mxpand B =[aij]pxnthen order of BA is	A. m x n B. p x n C. n x m D. None of these
19	Form a group of 5 men and 3 women, a committee of 4 persons is to be selected randomly. The probability that there is a majority of men is	A. 1/4 B. 1/3 C. 1/2 D. 1/6
20	The roots of $ax^2 + bx + c = 0$ are always unequal if	A. $b2 - 4ac = 0$ B. $b2 - 4ac \neq 0$ C. $b2 - 4ac \& gt; 0$ D. $b2 - 4ac \ge 0$

