Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	The number of points of intersection of two curves y = 2 sin x and y = $5x^2$+ 2x + 3 is	A. 0 B. 1 C. 2 D. None of these
2	xy= 2 is:	A. a constant function B. an identity function C. an improper function D. implicit function
3	Question Image	A. An upper triangular matrix B. A lower triangular matrix C. A diagonal matrix D. A null matrix
4	The probability to get an odd number in a dice thrown once is	A. 6 B. 1 C. 1/6 D. 1/2
5	A matrix in which the number of rows is equal to the number of columns is called a	A. Diagonal matrix B. Rectangular matrix C. Square matrix D. Scalar matrix
6	Question Image	A. From an empty set B. 1 C. 2 D. >2
7	A Geometric Series is divergent only if	A. |r|>1 B. |r|≥1 C. |r|=1 D. None of these
8	The square roots of negative numbers is called	A. Real no B. Complex no C. Positive no D. Negative no
9	A diagonal matrix is always	A. Identity B. Triangular C. Scalar D. Non-singular
10	If the exponent in the binomial expansion is 6, then the middle term is	A. 2nd B. 3rd C. 4th D. 5th
11	If n(A) = n then n(P(A)) is	A. 2n B. n² C. n/2 D. 2ⁿ
12	Question Image	
13	If S and P are the sum and the product of roots of a quadratic equation, then the quadratic equation is	A. x²+ Sx - P = 0 B. x²- Sx + P = 0 C. x²- Sx - P = 0 D. X²+ Sx + P = 0
14	Every real number is	A. A complex number B. A rational number C. A natural number D. A prime number
15	If f(x) = x^3- $2x^2$+ 4x -1 then f(2) is	A. 7 B. -16 C. 16 D. -9
16	Question Image	
		A. v = 0

17	The axis of the parabola $x^2 = 4ay$ is:	B. x = 0 C. x = -a D. y = a
18	For trival solution |A| is	A. A B. |A| = 0 C. A = 0 D. |A|≠ 0
19	Question Image	A. ⁿC_r B. ⁿ⁺¹C_{r+1} C. ⁿC_{r+1} D. None
20	Question Image	