Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	The area between the x-axis the curve y =4x-x2 is :	A. 32/2 B. 15 C. 18 D. 21
2	Question Image	
3	Question Image	A. 0 B. 1 C. 2 D. 3
4	-2, 1, 4, 7,.... is _____	A. Harmonic sequence B. Arithmetic sequence C. Geometric sequence D. Arithmetic series
5	Question Image	
6	Question Image	D. none of these
7	Question Image	A. 25 B. 16 C. 5 D. 0
8	The quadratic equation 8 sec2θ - 6 secθ +1 =0 has	A. Infinitely many roots B. Exactly two roots C. Exactly four roots D. No roots
9	A square matrix A for which A^t= A is called a	A. Column matrix B. Symmetric matrix C. Skew-symmetric matrix D. Row matrix
10	f(x) = sin x is:	A. an odd function B. an even function C. an implicit function D. an exponential function
11	The order of the matrix A is 3 x 5 and that of B is 2 x 3.The order of the matrix BA is	A. 2 x 3 B. 3 x 2 C. 2 x 5 D. 5 x 2
12	Question Image	A. Two real roots B. Two positive roots C. Two negative roots D. One positive and one negative root
13	cos(3π/2 +θ) = _____;	A. sinθ B. cosθ C. -sinθ D. -cosθ
14	Question Image	A. f(x) = x² B. f(x²) = x C. f(x) = x D. none of these
15	The approximate increase in the area of a circular disc if its diameter increased form 44cm to 44.4cm is	A. 0.4cm B. 8.8πcm C. 17.6 πcm D. 35.2πcm
16	The number of subsets of a set having three elements is	A. 4 B. 6 C. 8 D. none of these
17	A set having only one element is called	A. An empty set B. Universal set C. A singleton set

		C. A singleton set D. A power set
18	The square root of 2i - 20i is	A. +-(5 - 2i) B. +-(5 + 2i) C. (5 - 2i) D. None of these
19	If A∩B=B, then n(A∩B) is equal to	A. n(a) B. n(a)+n(c) C. n(c) D. None of these
20	Question Image	A. -8 B. 8 C. 8i D. 32