Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	Question Image	D. all
2	$x^2 + x - 6 = 0$ is	A. An equation B. An identity C. A polynomial D. None of these
3	Tan 3x tan 2x-tan x is equal to	A. Tan x tan 2x tan 3x B. -tan x tan 2x tan 3x C. Tan x tan 2x - tan - tan x tan 3x - tan 2x tan 3x D. None of these
4	If one root of the equation $ix^2 - 2(i + 1) x + (2 - i) = 0$ is 2 - i, then the other root is	A. -i B. 2 + i C. i D. 2 - i
5	The set of real numbers is a subset of	A. The set of natural numbers B. The set of rational numbers C. The set of integers D. The set of complex numbers
6	Question Image	A. 3 x 2 B. 2 x 3 C. 3 x 3 D. 2 x 2
7	The range of y=x2 + 1 is the set of non-negative real numbers except	A. 0≤ y < 1 B. 0 < y < 1 C. 0≤ y≤ 1 D. 0 < y≤1
8	f(x) = log x + 3 is a	A. trigonometric function B. algebraic function C. exponential function D. logarithmic function
9	graph of sine function is bounded between lines	A. y± 1 = 0 B. x± 1 = 0 C. x± y - 0 D. None of these
10	If for the matrix A, $A^5 = I$, then A^{-1}=	A. A² B. A³ C. A D. None of above
11	An A.P., a G.P. and a H.P. have the same first and last terms and the same odd numbers of terms, the middle terms of the three series are in	A. A.P. B. G.P. C. H.P. D. None of these
12	Question Image	D. none of these
13	A function whose range is just one elements is called	A. One-one function B. Constant function C. Onto function D. Identity function
14	$i^{(4n+2)}$ = ----------	A. 1 B. i C. -1 D. -i
15	The order of the matrix A is 3 x 2 and that of B is 2 x 3. The order of the matrix BA is	A. 3 x 3 B. 3 x 2 C. 2 x 5 D. 5 x 2
16	Question Image	A. 2x cos x2 B. -2xcosxsinx C. 2x Sin x2 D. -Sin x2

17	The sum of complex number (a,b) and (c,d) is	
18	Question Image	
19	The numbers of G_1, G_2, G_3..... $G_n$are called n geometric means between a and b is a, G_1, G_2,G_3, ... G_n, b are in	A. H.P. B. A.P. C. G.P. D. None of these
20	The graph of a quadratic function is	A. Circle B. Straight line C. Parabola D. Triangle