Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	5th term of a G.P. is 2, then the product of first 9 terms is	A. 256 B. 128 C. 512 D. None of these
2	Question Image	
3	A sequence is a functions whose domain is a subset of the set of	A. Natural numbers B. Real numbers C. Whole numbers D. Rational numbers
4	The distance of a moving particle at any instant t is x = 3t2 +1 then velocity of particle at t = 10 is	A. 50 cm/sec B. 60 cm/sec C. 61 cm/sec D. None of these
5	Question Image	
6	The unit vector along y-axis is	D. none of these
7	Every prime number is also	A. Rational number B. Even number C. Irrational number D. Multiple of two numbers
8	Question Image	C. ln f(x) + c D. f(x) - c
9	Question Image	A. 0 B. 1 C. 1/2
10	No term of a geometric sequence can be	A. 0 B. 1 C. 2 D. 3
11	If A$\subseteq$ B, and B is a finite set, then	A. n (a) < n(B) B. n(B)<(A) C. n(A)$\leq$ n (B) D. n(A)$\geq$ n(B)
12	A fraction in which the degree of the numerator is less than the degree of the denominator is called	A. Polynomial B. Equation C. Proper fraction D. Improper fraction
13	The domain of an infinite sequence is a	A. Set of natural numbers B. R C. Subset of N D. None of the above
14	Range of secθ is	A. Z - {x | -1 < x < 1} B. W - {x | -1 < x < 1} C. R - {x | -1 < x < 1} D. R
15	Question Image	
16	The third term of a G.P. is the square of first term. If the second term is 8, then the 6th term is	A. 120 B. 124 C. 128 D. 132
17	1.4142135... is _____	A. A natural number B. A rational number C. A prime number D. An irrational number
18	The solution of differential equation:	A. dy/dx+y/x = x^2 is : B. 4xy = x^4+ c C. 4x = x^4= c D. 4 y = x^4+ c

| 19 | The differential equation representing the family of curves y = A cos (x + B), where A, B are parameters, is |
| 20 | Question Image |