Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	The formula $a_n = ar^{n-1}$ represents	A. nth term of G.P B. Sum of the first n terms C. G.M between a and b D. None of these
2	Question Image	
3	$f(x) = x^3$ is:	A. an odd function B. an even function C. an implicit function D. a quadratic funtion
4	Question Image	A. $2s^2$ B. $2s^3$ C. s^3 D. $3s^3$
5	$4^{1+x} + 4^{1-x} = 10$ is called	A. Reciprocal equation B. Exponential equation C. Radical equation D. None of these
6	The product of the four fourth roots of unity is	A. 0 B. 1 C. -1 D. None of these
7	Question Image	
8	Question Image	A. $4(x^3 - 3x^2)^3 + c$ B. $3x^2 - 6x + c$
9	Question Image	
10	Question Image	A. Principle of equality of fractions B. Rule for product of fractions C. Golden rule for fractions D. Rule for quotient of fractions
11	Question Image	
12	Question Image	
13	$\{1, 2, 3, 4,.....\}$ is set of _____	A. Natural numbers B. Whole numbers C. Integers D. Rational numbers
14	An equation of the form ax + by = k is homogeneous linear equation when	A. b = 0, a = 0 B. a = 0, b ≠ 0 C. b = -0, a ≠ 0 D. a ≠ 0, b ≠ 0, k = 0
15	Question Image	
16	Question Image	A. quadrant I B. quadrant II C. quadrant III D. quadrant IV
17	Question Image	A. 1/8 B. 1/2 C. 1/4 D. 1/6
18	A _____ divides the plane into left and right half planes.	A. Vertical line B. Horizontal line C. Non vertical line D. Inequality
19	A sequence whose reciprocal is an A.P is called	A. Oscillator B. H.P C. G.P

| 20 | Question Image | A. quadratic function
B. constant function
C. trigonometric function
D. linear function |