

Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	A relation in which the equality is true only for some values of the unknown is called	A. An identity B. An equation C. A polynomial D. None
2	The formula an = arn-1represents	A. nth term of G.P B. Sum of the first n terms C. G.M between a and b D. None of these
3	If one end of the diameter of the circle $2x^2 + 2y^2 - 8x - 4y = 2 = 0$ is (2,3), the other end is:	A. (2,1) B. (-2,1) C. (2,-1) D. (1,-1)
4	(1, 1) is the in the solution of the inequality	A. 3x + 4y > 3 B. 2x + 3y < 2 C. 4x = 3y > 5 D. 2c - 3y > 2
5	If x^2 - 7x + a has remainder 1 when divided by x + 1, then a =	A7 B. 7 C. 0 D. None of these
6	<u>O (</u> 0,0 <u>)</u> is called:	A. Position vector B. Free vector C. Unite vector D. Null vector
7	What is the circular measure of the angles between the hands of which at 4 o clock	A. π/6 B. 3π/2 C. π/4 D. 2π/3
8	What is the period of cos 6x =?	A. π/2 B. π/3 C. π/4 D. π
9	Composition of functions is	A. Non-commutative (fg ≠ gf) B. non-associative [8(fh) ≠(8f)h] C. Commutative (fg = gf) D. f of-1≠ 1
10	The sum of all even numbers less than 100 is	A. 2450 B. 2352 C. 2272 D. 2468
11	Question Image	
12	There is no integer n for which 3n is	A. Even B. Prime C. Odd D. Real
13	Question Image	
14	Question Image	B. a f(x) + c C. f(x) + a
15	The set of all antiderivaties of $f(=\int f(x)dx)$ is the	A. Definite integral B. Indefinite integral C. Integral D. Area
16	Question Image	
17	Question Image	A. (3, 1, -2) B. (3, -2, 1) C. (2, -1, 3) D. (-1, -2, -3)
		A 0

18	Derivative of x ³ w.r.t x is	A. U B. 1 C. 3x ² D. x ³
19	If c = 2i+j+k and d= -1 + 4j +2k, then [c-d]=	A. √7 B. √41 C. √19 D. √(2&7)
20	The study conics, pappus used the method of:	A. analytic geometry Euclidean B. solid geometry C. Greek mathmaticians D. None of these