Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	The set of ordered pairs (x,y) such that ax+ by < c, and (x,y) such that ax + by>0, are called	A. Half planes B. Boundary C. Linear Inequalities D. Feasible regions
2	Number of permutations of n distinct objects taken r(<n - 3) at a time which exclude 3(<n) particular objects is	A. 3! P(n, r - 3) B. P(n, 3) P(n, r - 3) C. P(r, r)P(n, r - 3) D. P(n - 3, r)
3	Question Image	
4	A function f is said to be an even if f(-x) =	A. 0 B. 1 C. f(x) D. -f(x)
5	The perimeter of a sector of a central angle of measure 1 radian out off an are of length 35cm is	A. 35 cm B. 70 cm C. 140 cm D. 105 cm
6	Question Image	A. 0 B. 1 C. -2 D. 10
7	The sample space for tossing a coin once is	A. {T, T} B. {H, H} C. {H, T} D. None of these
8	Question Image	A. 2 C. -2 D. none of these
9	Question Image	A. 1 B. 12 C. 5 D. 29
10	Associative law of multiplication	A. ab - ba B. a(bc) = (ab) c C. a(b + c) = ab +ac D. (a +b)c = ac + bc
11	The point of concurrency of the medians of the ΔABC is called its	A. Orthocenter B. Centriod C. Circumcentre D. Incentre
12	$\forall$ x,y$\in$ R and x < 0, y < 0, which one is true	A. xy < o B. xy = o C. xy > o D. None of these
13	To express a single rational fraction as a sum of two or more single rational fractions which are called	A. improper fractions B. Partial fractions C. mixed form D. Polynomials
14	Tan 180° = _____	A. -1 B. 0 C. 1 D. Undefined
15	Range of sin x is _____	A. [-1, 1] B. R C. Negative real numbers D. None of these
16	Question Image	
17	Question Image	

18	Question Image	
19	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
20	Question Image	