Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	If f (x)=a0 +a1x+a2x2+a3x3-----+0n-1xn-1+anxn then f(n) (x) is equal to	A. n! B. ann! C. 0 D. an
2	If x^3+ $4x^3$- 2x +5 is divided by x - 1, then the reminder is	A. 8 B. 6 C. 4 D. None of these
3	A coin is tossed. If head comes up, a die is thrown but if tail comes up, the coin is tossed again. The probability of obtaining a head and an even number is	A. 1/8 B. 2/8 C. 3/8 D. None of these
4	In the expansion of $(a + x)^n$ the sum of exponents of a and x in each term of the expansion is	A. n + 1 B. n - 1 C. n D. 2n
5	For graphing a linear inequality, solid line is drawn if the inequality involves the symbols:	A. > or < B. ≥ or ≤ C. = or≠ D. = or >
6	a >b ⇒a +c >b +c is known as	A. Trichotomy property B. Additive property of inequality C. Transitive property D. Multiplicative property
7	Question Image	
8	The discriminant of the quadratic equation ax^2+ bx + c = 0 is	A. b^2+ 4ac B. b^2- 4ac C. 4ac - b^2 D. a^2- 4ac
9	Question Image	A. 0 B. 1 C. -1 D. none of these
10	Question Image	A. Polynomial B. Equation C. Improper rational fraction D. Proper rational fraction
11	Question Image	A. A natural number B. A rational number C. An irrational number D. A whole number
12	Equation of parabola with focus F(-3,1) directrix x=3 is	A. (y -1)2 =-12x B. (y-1)2 =4x C. (x+3)2 =4a(y-1) D. y2 =-12(x-1)
13	The set {{a,b}} is	A. Infinite set B. Singleton set C. Two points set D. None
14	If f(x) = $(-x)^2$then f(-2) is	A. 0 B. 2 C. -4 D. 4
15	A square matrix A = [aij] is upper triangular when	A. cij = 0 B. bij = 0 C. aij = 0 for all i > j D. dij = 0
16	Through how many radians does the hour hand of a clock turn in one hour	
		A. N and W

17	There is no element common in	B. E and W C. N and O D. Q and Q'
18	Question Image	A. 1 B. 0 C. 3 D. -1
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	The square root of every incomplete square is an	A. Rational numbers B. Even numbers C. odd numbers D. Irrational numbers