Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	The formula an = a +(n-1)d for an A.P is called	A. nth term of an A.P B. Sum of first n terms C. A,M between a and b D. None of the above
2	If f (x) = |x|, then (0,0) is the	A. Critical point B. Inflection point C. Stationary point D. None of these
3	3x + 4 < 0 is	A. inequality B. equation C. identity D. not inequality
4	Question Image	D. none of these
5	Question Image	
6	If (0,4) and (0,2) are vertex and focus of the parabola respectively, the the equation of the parabola is:	A. $x^2 = 4y - 32$ B. $x^2 = 8y - 32$ C. $y^3 = 16x$ D. $x2 + 8y = 32$
7	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
8	The law of sines can be used to solve	A. Right angle triangle B. Isosceles triangle C. oblique triangle D. haxagon
9	Number of combination of zero or more things out of n different things	A. nPn B. nPr C. nCr D. 2n
10	The set of complex numbers forms a group under the binary operation of	A. Addition B. none of these C. Division D. Subtraction
11	Question Image	
12	If A∩B=B, then n(A∩B) is equal to	A. n(a) B. n(a)+n(c) C. n(c) D. None of these
13	What is the probability of being born on Wednesday?	A. 1/7 B. 1/2 C. 1/3 D. 1/8
14	Three dice are thrown together. The probability of getting a total of at least 6 is	A. 103 / 108 B. 10 / 216 C. 93 / 108 D. None of these
15	$(a^{-1})^{-1} =$	A. a^{-1} B. a C. -a D. None of above
16	Range of tan x is _____	A. [-1, -] B. R C. Negative real numbers D. R - {x | - 1 < x < 1}
17	Question Image	A. 0 B. 1

18	The circle $(x - 2)^2 + (y + 3)^2 = 4$ is not concentric with the circle	A. $(x - 2)^2 + (y + 3)^2 = 9$ **B. $(x + 2)^2 + (y - 3)^2 = 4$** C. $(x + 2)^2 + (y - 3)^2 = 8$ D. $(x - 2)^2 + (y + 3)^2 = 5$
19	Question Image	A. $2x + 2y$ B. $4 - x^2$ **C. $-x/y$** D. x/y
20	Question Image	**A. Rational** B. Irrational C. Non-real D. Zero