Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	A conditional is regarded as false only when the antecedent is true and consequent is	A. True B. False C. Known D. Unknown
2	Question Image	A. 8 C. 4 D. 64
3	$\csc(-\pi/2) = \underline{\hspace{2cm}};$	A. 0 B. 1 C. -1 D. Undefined
4	Domain of cot x is _____	
5	The domain of the principle sine function is	
6	If $b_1, b_2, b_3, \ldots$ are in G.P. with first term unity and common ratio r, then the minimum value of $b_1 - b_3 + b_5$ is equal to	A. 3/4 B. 1/4 C. 1 D. None of these
7	If the 4th term in the expansion of $(px + x^{-1})^m$ is 2.5 for all $x \in R, then$	
8	Question Image	A. 6, -12, -18 B. -6, 4, 9 C. -6, -4, -9 D. -6, 12, 18
9	Question Image	A. A rational number B. An irrational number C. An odd number D. A prime number
10	Question Image	A. 2x + 2y B. $4 - x^2$ C. -x/y D. x/y
11	The domain of an infinite sequence is a	A. Set of natural numbers B. R C. Subset of N D. None of the above
12	if A = (x/x$\in$ Q$\wedge$ 0 < x < 1}, the A is	A. Infinite set B. Finite set C. Set of rational numbers D. Set of real numbers
13	Question Image	A. -1 B. 0 C. 1 D. undefined
14	Question Image	
15	3.5+5.4=5.4+3.5 =8.9 this property of addition is called	A. additive identity B. assoclative property C. commulative property D. closure property
16	The distance s of a particle in time t is given by $s = t^3 - 6t^2 - 4t - 8$. Its acceleration vanishes at t =	A. 1 B. 2 C. 3 D. 4
17	Question Image	A. 0.9 B. 0.74 C. 0.2016 D. None of these
18	Question Image	

19	Question Image	A. 1 B. 0 C. -1 D. 2
20	The interval in which f(x)=x3-6x2+9x is increasing	A. 1<x<3 B. x<1 and x>3 C. X ≥1 and x ≤ 3 D. -∞ < x < ∞