Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	Domain of cosh x is	A. R B. R -{0} C. [1,∞) D. [0,∞)
2	The point of concurrency of the medians of a triangle is called	A. incentre B. circumcentre C. e-centre D. centroid
3	If A, G, H are the arithmetic, geometric and harmonic means between a and b respectively then A, G, H are in	A. A. P. B. G. P. C. H. P. D. None of these
4	The domain of the principle sine function is	
5	Question Image	A. 1 B. -1
6	Question Image	
7	The set of whole numbers is subset of	A. The set on integers B. The set of natural numbers C. {1, 3, 5, 7, ...} D. The set of prime numbers
8	Find the geometric mean between 4 and 16	
9	If a polynomial P(x) is divided by x + a, then the remiander is	A. P(a) B. P(-a) C. P(0) D. None of these
10	Question Image	A. range of f B. domain of f C. both (a) and (b) D. none of these
11	If the exponent in the binomial expansion is 6, then the middle term is	A. 2nd B. 3rd C. 4th D. 5th
12	Question Image	D. none of these
13	The value of the expression $\sin\theta + \cos\theta$ lies between	
14	Question Image	A. $-2x^3$ B. $2x^{-3}$ C. $-2x^{-3}$ D. $2x^3$
15	How many comittees of 5 numbers can be chosen from a group of 8 players person when each committee must include 2 particular persons	A. 8! B. 5!3! C. 5! D. 20
16	if $a_9 = 19, a_9 = 31$ are the 6th and 9th term of an A.P. and d=4 is the common difference, then 18th term of the sequence is	A. 65 B. 67 C. 71 D. 75
17	If the cone is cut by a plane perpendicular to the axis of the conec, then the section is a:	A. Circle B. ellipse C. hyperbola D. parabola
18	If l, m, n are the d.c.'s of a line, then	A. $l^2 + m^2 + n^2 = 0$ B. $l^2 + m^2 + n^2 = 1$ C. l + m + n = 1 D. l = m = n = 1

19	Question Image	D. none of these
20	Question Image	A. Reflexive property B. Symmetric property C. Cancellations property w.r.t. addition D. Transitive property