Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	The 6th term of an arithmetic sequence whose first term is 3 and common difference in zero is	A. 18 B. 6 C. 3 D. 0
2	If the matrices A and B are conformable for multiplication then $(AB)^t$= _____	A. AB B. A^tB^t C. B^tA^t D. A^tB
3	If the exponent in the binomial expansion is 6, then the middle term is	A. 2nd B. 3rd C. 4th D. 5th
4	If in a set of real no a is multiplicative identity then	A. a,a = a² B. a,a = 1 C. a,a = 0 D. None of these
5	If the domain of sequence is finite set then the sequence is called	A. geometric sequence B. infinite sequence C. finite sequence D. arithmetic sequence
6	Question Image	A. real number B. complex number C. rational number D. irrational number
7	w^4= _____	A. 0 B. 1 C. w D. w²
8	If $f(x) = x^2$then f(0) is	A. 0 B. 1 C. 2 D. none of these
9	The last term of (1+2x)-2	A. (-1)-2 (2x)-2 B. (-1)-4(-2x)-2 C. (-1)-3(2x)-3 D. Does not exist
10	In a country, 55% of the male population has houses in cities while 30% have houses both in cities and in village. Find the percentage of the population that has house only in villages.	A. 45 B. 30 C. 25 D. 50
11	Sin-1(-x)=	A. x B. -x C. -sin-1 x D. cos-1 x
12	If A and B are skew-symmetric then (AB)t is	A. At Bt B. AB C. -AB D. BA
13	Question Image	A. 12 B. 13 C. 14 D. 15
14	If a > b or a < b than a = b is a	A. Additive property B. Transitive property C. Trichotomy property of inequality
15	Domain of cos x is _____	
16	Question Image	A. Set of whole number B. Rational Numbers C. Complex numbers

		D. Whole numbers
17	Question Image	
18	Form a group of 5 men and 3 women, a committee of 4 persons is to be selected randomly. The probability that there is a majority of men is	A. 1/4 B. 1/3 C. 1/2 D. 1/6
19	Question Image	
20	The process of finding a function whose derivative is given is called a	A. Differentiation B. Integration C. Differential D. None