GAT Subject Mathematics

Sr	Questions	Answers Choice
1	If A and B are two matrices of order 2 x 3 and 3 x 1 , receptively then A +B=	A. B + A B. AB C. Not Possible D. 0
2	Which of the following is a irreducible fraction?	A. 6/9 B. 2/3 C. 8/12 D. 20/25
3	The sentence " The product of two rational numbers is also a rational number " indicates towards :	A. Associative property B. Commutative property C. Closure property D. Distributive property
4	In roman numerals, no symbol is written after one another in more than:	A. two times B. three times C. four times D. six times
5	Sum of few quantities is 425. If 85 is the average of the quantities , then find the total number of quantities is:	A. 7 B. 6 C. 5 D. 8
6	Numerical solution of linear algebraic equation can be obtained by:	A. Euler's method B. Runge-Kutta method C. Euler's modified method D. None of these
7	If the denominator and numerator of a fraction are diivisible by the same non-zero number other than one, then it is called a:	A. Common fraction B. Reducible Fraction C. Irreducible Fraction D. Simplest Fraction
8	What will be amount of 1st premium on Rs.8,50,000 @ 4.5	A. 3825 B. 34425 C. 38250 D. 35525
9	The equation of line perpendicular to x +2y+3=0 and through the point (5,2) is:	A. 3x-y+8=0 B. 2x-3y+8=0 C. y=2x-8 D. 3x-2y+7=0
10	To find the complement of set a, which set is necessary?	A. Natural number B. whole number C. Universal D. Set B
11	IF A={a,b,c,d}, B = {c,d,e} and C={c,e,f,g} then $A \cap (B \cap C)$ is equal to :	A. {c,d,e} B. {c,d} C. {a,b,c} D. {e,m,g}
12	The intersection of two infinite sets:	A. always infinite B. always finite C. may not be infinite D. None of these
13	If a particle on a cycloid, then the time period , then the time period is independent of:	A. argument B. amplitude C. radius of the generating circle D. None of these
14	The cartesian system of coordinates was introduced by:	A. Eular B. Euclid C. Discrates D. Masclrean
15	Median of 3 ,1,2,2,1,3,4,1,1, is:	A. 1 B. 2 C. 3 D. 4

16	a general solution of an nth order differential equation contains:	A. n-1 arbitrary constants B. n arbitrary constants C. n+1 arbitrary constant D. None of these
17	The fixed point is a circle is called:	A. Radius B. Diameter C. Centre D. Cord
18	Gauss-Seidel iterative method is used to solve:	A. Differential equation B. Partial differential equation C. System of linear equation D. System of non-linear equation E. None of these
19	How many subset can be formed from the set {a,b,c,d}	A. 8 B. 4 C. 12 D. 16
20	If a set consist of 3 elements then the number of elements in P(A) are :	A. 3 B. 8 C. 6 D. 9