Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	$\cos^4\theta - \sin^4\theta =$	A. $\cos 4\theta$ B. $\cos 2\theta$ C. $-\sin\theta$ D. $\sin 2\theta$
2	If a is any real number and a = a is called	A. symmetric property B. Trichotomy Properties C. Transitive Property D. Reflexive Properties
3	Question Image	
4	The multiplicative inverse of 4 is	A. -4 B. -1/4 C. 1/4 D. 1
5	Question Image	
6	Question Image	
7	The two lines y = 2x and x = 2y are	A. Parallel B. Perpendicular C. Equally inclined with axes D. Congruent
8	Question Image	
9	Question Image	
10	Question Image	D. none of these
11	The square roots of negative numbers is called	A. Real no B. Complex no C. Positive no D. Negative no
12	The eccentricity of ellipse becomes zero, then it takes the form of:	A. a parabols B. a straight line C. a circle D. None of these
13	A square matrix all of whose elements except the main diagonal are zeros is called a	A. Null matrix B. Singular matrix C. Symmetric matrix D. Diagonal matrix
14	The identity element of a set X with respect to intersection in P(x) is	A. X B. Does not exist C. $\varnothing$ D. None of these
		A. are real no

15	Question Image	B. both are not real C. are imaginary no D. both are imaginary
16	A line joining two distinct points on a parabola is called a _____ of the parabola.	A. Chord B. Tangent C. Lust rectum D. directrix
17	If the exponent in the binomial expansion is 6, then the middle term is	A. 2nd term B. 3rd term C. 4th term D. 5th term
18	Question Image	
19	In order of A is m x n and order of B is n x p then order of AB is	A. m x m B. n x n C. m x p D. p x m
20	Question Image	A. 5 B. 10 C. 20 D. 30