ECAT Mathematics MCQ's Test For Pre General Science

Sr	Questions	Answers Choice
1	If a is any real number and a = a is called	A. symmetric property B. Trichotomy Properties C. Transitive Property D. Reflexive Properties
2	A square matrix A for which A^t= -A is called a	A. Column matrix B. Symmetric matrix C. Skew-symmetric matrix D. Row matrix
3	$(0.90)^{1/2}$is equal to	A. 0.99 B. 0.90 C. 0.80 D. 0.88
4	Question Image	A. π / 2 B. π / 3 C. π / 4 D. π
5	Arithmetic mean between a and b is	
6	Question Image	
7	The roots of the equation x2 +6x-7=0,are	A. 1 B. 2 C. 1 and -7 D. -7
8	O is _____	A. A positive integer B. A negative integer C. A natural number D. An integer
9	The sum of all positive integral multiple of 5 less than 100 is	A. 950 B. 760 C. 1230 D. 875
10	The point _____ is in the solution of the inequality 4x - 3y < 2	A. (0,1) B. (2,1) C. (2,2) D. (3,3)
11	Question Image	A. 2x + 3 B. x²+ 3 + c
12	For any set B, BUB' is	A. Is set B B. Set B' C. Universal set D. None of these
13	The set of natural is a semi group w.r.t	A. Addition B. Division C. Subtraction

		D. None of these
14	Question Image	D. none of these
15	Question Image	A. a sec(ax + b) + c B. - a sec(ax + b) + c
16	How many term are there in the A.P, in which $a_1 = 11$, $a_n = 68$, d=3	A. 30 B. 27 C. 20 D. 21
17	Question Image	
18	What is the period of cos 6x =?	A. π/2 B. π/3 C. π/4 D. π
19	The statements of the form "If p then q" are called	A. hypothesis B. conditional C. disjunction D. conjunction
20	Question Image	D. None of these