ECAT Mathematics MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	f(x) = sin x is:	A. an odd function B. an even function C. an implicit function D. an exponential function
2	Question Image	
3	Composition of functions is	A. Non-commutative (fg ≠ gf) B. non-associative [8(fh) ≠(8f)h] C. Commutative (fg = gf) D. f of-1≠ 1
4	Question Image	B. x⁻²+ c D. not possible
5	$(0.90)^{1/2}$is equal to	A. 0.99 B. 0.90 C. 0.80 D. 0.88
6	The function ø(x) is ananti derivativeof function f (x),x∈Df if	A. ø′(x) =∫f(x)dx B. ø(x) =∫f(x)dx C. ø′(x) =f(x) D. ø(x) =∫′(x)dx
7	n(n - 1) (n - 2) .... (n - r + 1) = _____	
8	Question Image	
9	Range of cos x is _____	A. [-1, 1] B. R C. Negative real numbers D. R - { x | - 1 < x < 1}
10	For trival solution |A| is	A. A B. |A| = 0 C. A = 0 D. |A|≠ 0
11	Empty set is	A. Not subset of every set B. Finite set C. Infinite set D. Not the member of real numbers
12	Question Image	A. 1 B. 9 C. 3 D. 5
13	The graph of a linear function is	A. a circle B. triangle C. a straight line D. none of these
14	The general term of a sequence is denoted by	A. a₁ B. a_n C. n D. s_n
15	Two sets A and B are said to be disjoint if	
16	Question Image	A. real part of z B. imaginary part of z C. conjugate of z D. modulus of z
17	Sine rule for a triangle states that	A. a/sin A = b/sin B = c/sin C B. sin A/a = sin B/b = sin C/c C. a/sin A + b/sin B + c/sin

		C D. 2a/sin A = 2b/sin B = 2c/sin C
18	Question Image	A. Identity matrix B. Diagonal matrix C. Null matrix D. Hermitian matrix
19	Each complex cube root of unity is square of	A. itself B. 1 C. -1 D. the other
20	The set of first elements of the ordered pairs forming the relation is called its	A. domain B. range C. ordered paris D. relation