

## ECAT Mathematics MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	The value of x, and y, when $(x + iy)^2 = 5 + 4i$	A. $X = 2, y = 1$ B. $X = -2, y = 1$ C. $X = 2, y = -1$ D. $X = 2, y = 2$
2	Question Image <input style="width: 500px; height: 20px;" type="text"/>	
3	If n is add the expansion $(a + x)^n$ has middle terms	A. 2 B. 3 C. 4 D. 5
4	The real numbers which satisfy an inequality form its	A. solution B. coefficient C. domain D. range
5	If order of A is $m \times n$ , then order of $A^t$ is	A. $m \times m$ B. $n \times n$ C. $m \times n$ D. $n \times m$
6	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. $3 \times 1$ B. $1 \times 3$ C. $3 \times 3$ D. $1 \times 1$
7	14 is not a	A. Prime number B. Whole number C. Even number D. Real number
8	In polar form of complex number $r =$	
9	Question Image <input style="width: 500px; height: 20px;" type="text"/>	
10	Question Image <input style="width: 500px; height: 20px;" type="text"/>	
11	The general term of the A.P. is	A. $a + (n - 1) d$ B. $n + (a + (n - 1) d)$ C. $d + (n - 1) a$ D. None of these
12	If $A = [a_{ij}]$ is $(m \times n)$ matrix, then transpose of A is of the order	A. $m \times m$ B. $m \times n$ C. $n \times n$ D. $n \times m$
13	Question Image <input style="width: 500px; height: 20px;" type="text"/>	
14	Roots of the equation $9x^2 - 12x + 4 = 0$ are	A. Real and equal B. Real and distinct C. Complex D. None of these
15	Question Image <input style="width: 500px; height: 20px;" type="text"/>	
16	$w^{11} =$ _____	A. 0 B. 1 C. w D. $w^2$
17	The period of $3 \sin x$ is	A. $2\pi$ B. $9\pi$ C. $3\pi$ D. $5\pi$
18	$f(x) = 2^x + 3 \cdot 2^{2x} + 5$ is	A. trigonometric function B. algebraic function C. exponential function D. logarithmic function
19	General solution of $\tan 5\theta = \cot 2\theta$ is	

20

The function denoted by  $1/f$  called the

- A. Reciprocal function
- B. Inverse function
- C. Constant function
- D. Reverse function