

## ECAT Mathematics MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	The minimum value of the quadratic function $f(x) = 5x^2 - 11x$ , is	A. -11 B. 6 C. -7 D. 7
2	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. 2 B. 7 C. 8 D. 12
3	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. 1 B. 0 C. 3 D. -1
4	Question Image <input style="width: 500px; height: 20px;" type="text"/>	
5	The graph of $y > 0$ is the upper - half of:	A. y-axis B. x-axis C. 1st and 4th quadrant D. 2nd and 3rd quadrant
6	The additive inverse of a matrix A is	D. None of these
7	A vector of magnitude zero is called	A. Position vector B. Null vector C. Free vector D. None of these
8	If $f(x) = x^{100}$ the value of $f^{-1}(1)$ is:	A. 100 B. -100 C. 0 D. -101
9	Question Image <input style="width: 500px; height: 20px;" type="text"/>	
10	Which of the following is surjective	
11	Question Image <input style="width: 500px; height: 20px;" type="text"/>	
12	If the cutting plane is slightly tilted and cuts only one nappe of the cone, the resulting section is	A. an ellipse B. a circle C. a hyperbola D. a parabola
13	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. Does not exist because f is unbounded B. Is not attained even though f is bounded C. Is equal to 1 D. Is equal to -1
14	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. Principle of equality of fractions B. Rule for product of fraction C. Rule for quotient of fraction D. Golden rule of fractions
15	5th term of a G.P. is 2, then the product of first 9 terms is	A. 256 B. 128 C. 512 D. None of these
16	Every natural number is	A. A prime number B. An irrational number C. An integer D. An even number
17	Question Image <input style="width: 500px; height: 20px;" type="text"/>	
18	Which of the following is a scalar.	A. force B. frequency C. weight D. acceleration

19

Question Image

A. 0

B. abc

C. 1/abc

D. None of these

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Question Image