

ECAT Mathematics MCQ's Test For Full Book

Sr	Questions	Answers Choice
JI	QUOSIONS	
1	The solution of the quadratic equation $x^2 - 7x + 10 = 0$, is	A. 2 B. 5 C. 2,5 D. 7
2	~ p is the	A. implication of p B. disjunction of p C. negation of p D. conjuction of p
3	The nth term of an A.P., is 12-4n. Its common difference is	A. 8 B. 4 C. 4 D. 16
4	Question Image	A. 2 D. 0
5	If z_1 = 2 + 6i and z_2 = 3 + 7i, then which expression defines the product of z_1 and z_2 ?	A. 36 + (-32)i B36 + 32i C. 6 + (-11)1 D. 0, +(-12)i
6	Matrices are represented by	A. Natural numbers B. Real numbers C. Small letters D. Capital letters
7	Question Image	
8	Question Image	A. perpendicular vectors B. concurrent vectors C. parallel vectors D. none of these
9	Question Image	
10	Which of the following is factor of $p(x) = 2x3 + 3x2 + 3x + 2$?	A. x+1 B. 2x+1 C. 3x+1 D. 2x-1
11	The graph of linear equation $2x + 3y = 10$	A. Parabola B. Circle C. Hyperbola D. Straight line
12	Question Image	
13	Solving the equation 2^{2x} -3 x 2^{x+2} + 2^5 = 0 for 2^{2x} -3 x 2^{x+2} + 2^5 = 0	A. (1,4) B. (8,4) C. (2,3) D. (5,9)
14	For any set B, BUB' is	A. Is set B B. Set B' C. Universal set D. None of these
15	Question Image	A. <i>π</i> B. <i style="text-align: center;">2π</i> C. <i style="text-align: center;">π/2</i> D. None of these
16	Which conjunction is not true ?	
		A 2

17	Question Image	B1 C. 8 D. not defined
18	Tangent is a periodic function and its period is	A. 2 <i>π</i> B. 3 <i>π</i> C. <i>π</i> D. 4 <i>π</i> D. 4 <i>π</i>
19	$2/9,5/7 \in R,(2 \mid 9)(5 \mid 7)=10/63 \in R$ this property is called	A. Associative property B. Identity property C. Commutative property D. Closure property w.r.t multiplication
20	Question Image	D. none of these