ECAT Mathematics MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	If c = 2i+j+k and d= -1 + 4j +2k, then [c-d]=	A. √7 B. √41 C. √19 D. √(2&7)
2	Question Image	A.
3	What is the value of cos-1(1/2)?	A. π/3 B. π/4 C. 3π/2 D. π/6
4	The area between the x-axis and the curve y = x^2 + 1 from x = 1 to 2 is:	A. 15/6 B. 15/4 C. 10/4 D. 10/3
5	If f (x) = 2x+1 then fof (x) = _____;	A. 4x+3 B. 2x +3 C. 4x +1 D. None of these
6	The sum of the squares of three distinct real numbers, which are in G.P., is S^2. if their sum isαS then	
7	How many arrangements of the letters of the word PAKISTAN cab be made	
8	Question Image	
9	Te order of the differential equation of all conics whose axes coincide with the axes of co-ordinates is	A. 2 B. 3 C. 4 D. 1
10	A quadratic equation in x is an equation that can be witten in the form	A. ax²+ b = 0 B. ax³ +b²+c=0 C. ax² +bx+c=0 D. ax³ +bx³+cx=0
11	Disjunction of p and q is	A. p or q B. p and q C. p if q D. p implies q
12	It is not possible to find the exact value of	A. π B. √9 C. ∛27 D. √1
13	Question Image	B. a^xln a + c C. a^x+ c D. x a^x+ c
14	(7, 9) + (3, -5) =	A. (4, 4) B. (10, 4) C. (9, -5) D. (7, 3)
15	For each natural number n, n (n+1) is	A. an even B. an odd C. multiple of 3 D. Irrational
16	The set of all positive even integers is	A. Not a group B. A group w.r.t subtraction C. A group w.r.t division D. A group w.r.t multiplication
17	Question Image	A. trigonometric equation B. conditional equation C. identity D. N

		D. None
18	If a set S contains n elements then P (S) has ..... number of elements	A. 2ⁿ B. 2ⁿ² C. 2.n D. n²
19	Which of the following is a scalar.	A. electric field B. magnetic field C. weight D. mass
20	Question Image	A. P(A) + P(B) B. P(A) - P(B) C. P(A) . P(B) D. P(A) / P(B)