

ECAT Pre General Science Mathematics Online Test

Sr	Questions	Answers Choice
SI	Questions	
1	Every prime number is also	A. Rational number B. Even number C. Irrational number D. Multiple of two numbers
2	Question Image	
3	The set of the first elements of the orders pairs forming a relations is called its	A. Relation in B B. Range C. Domain D. Relation in A
4	The number of divisors of 1029, 1547 and 122 are in	A. A.P. B. G.P. C. H.P. D. None of these
5	Question Image	A. (1, 3) B. (-1, -3) C. (1, -3) D. (-1, 3)
6	Question Image	
7	If $y = \sin(ax + b)$, then fourth derivative of y with respect to $x = ax + b$	A. a ⁴ cos (ax + b) B. a ⁴ sin (ax + b) Ca ⁴ sin (ax + b) D. a ⁴ tan (ax + b)
8	If the equation x2+2x-3=0 and x2+3x-k=0 have a common root then the non - zero value of k is	A. 1 B. 3 C. 2 D. 4
9	Question Image	A. 1 B. 0 C. 5 D. 2
10	Question Image	A. 0 B. 1 C. 2 D. 3
11	Question Image	A3 B7 C. 1 D. 0
12	A line joining two distinct points on a parabola is called	A. Axis B. Directrix C. Chord D. Tangent
13	If x - 2 is a factor of ax2- 12x + a = 2a, then a =	A5 B. 5 C. 0 D. 1
14	202.04 is an example of	A. Recurring decimals B. Non-recurring decimals C. Terminating decimals D. None of above
15	Question Image	A. 1 B. 2 C1 D. 0
16	Question Image	A. 1 B. 2 C. 3 D. 4
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17	Question Image	
18	Question Image	A. 3 B. 1 C. 4
19	If $n(X) = 18$, $n(X \cap Y) = 7$, $n(X \cup Y) = 40$ then $n(Y) =$	A. 1 B. 12 C. 5 D. 29
20	Question Image	