

## ECAT Pre General Science Mathematics Online Test

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B. coses 3x + c	Sr	Questions	Answers Choice
2       If distance of (a,b) from origin is 5 then       b ssup>24 sup>=5 B a = 5 C, b =	1	Question Image	
3 Which one is quadrantal angle  4 Question Image  Question Image  5 graph of sine function is bounded between lines  6 Every term of a G.P. is positive and also every term is the sum of two preceding terms. Then the common ratio of the G.P. is  7 If ag = 10,86-31 are the 6th and 6th term of an A.P. and d=4 is the common difference, then 18th term of the sequence is  8 Question Image  9 An event having more than one sample point is called  10 Question Image  11 Roots of the equation x²+ 5x - 1 = 0 are  12 The set {1, 2, 3, 4,} is called  13 The vertex of the graph of the quadratic function f(x) = x2+6x+1,is  14 2x = 3 is a conditional equation it is true for  15 Rizz, Saba, Maria, Shehaad are to give speeches in a class. The teacher can arrange the order of functions is  16 Composition of functions is  17 Question Image  18 A 4 avery B 2x + 3 true to give speeches in a class. The teacher can arrange the order of their presentation in  16 Composition of functions is  17 Question Image  18 Pirathal C 2x + 3 true to give speeches in a class. The teacher can arrange the order of their presentation in  18 Pirathal C 2x + 3 true to give speeches in a class. The teacher can arrange the commutative (fg ≠ gf) b. for 1x in 1x	2	If distance of (a,b) from origin is 5 then	b <sup>2</sup> =5 B. a = 5
A Certain event the common ratio of the GP. is colleged properly w.r.t. to addition C. Add	3	Which one is quadrantal angle	B. 2345° C8181180°
5       graph of sine function is bounded between lines       8. ± 1 = 0 \ 2. ± y = 0 \ 2. None of these         6       Every term of a G.P. is positive and also every term is the sum of two preceding terms. The intermore intermore intermore intermore, then 18th term of the sequence is       A. 65 \ 8. 07 \ 2.71 \ 2.75         7       if ag =19,ge/31 are the 6th and 9th term of an AP, and d=4 is the common difference, then 18th term of the sequence is       A. 65 \ 8. 07 \ 2.71 \ 2.75         8       Question Image       A. Certain event B. Compound event C. Simple event D. None of the event D. None of the event D. None of these         10       Question Image       A. Rational B. training B. training B. training C. Complex D. None of these         12       The set (1, 2, 3, 4,) is called       B. Set of Natural numbers C. Set of rational number D.	4	Question Image	B. Closure property of addition C. Additive inverse D. Associative property w.r.t. to
the common ratio of the G.P. is    If ag =19,ag=31 are the 6th and 9th term of an A.P. and d=4 is the common difference, then 18th term of the sequence is    Question Image	5	graph of sine function is bounded between lines	B. x± 1 = 0 C. x± y - 0
7       If ag =19,80=31 are the 6th and 9th term of an AP, and d=4 is the common difference, then 18th term of the sequence is       B. 67 C. 71 D. 75         8       Question Image         9       An event having more than one sample point is called       A. Certain event B. Compound event C. Simple event D. None         10       Question Image       A. 0         11       Roots of the equation x²+ 5x - 1 = 0 are       A. Rational B. Irrational C. Complex D. None of these         12       The set {1, 2, 3, 4,} is called       A. Set of Natural numbers D. Set of irrational numbers C. Set of rational numbers D. Set of irrational numbers         13       The vertex of the graph of the quadratic function f(x) =-x2+6x+1,is       A. (3,10) B. (3,3+10) C. (3,10) D. (3,-10)         14       2x = 3 is a conditional equation it is true for       A. 2 B. 3 C. 3/2 D. 2/3         15       Riaz, Saba. Maria, Shehzad are to give speeches in a class. The teacher can arrange the order of their presentation in       A. 4 ways B. 12 ways C. 256 ways D. 24 ways         16       Composition of functions is       A. Non-commutative (fg ≠ gf) B. non-associative [8(th) ≠ (fg)h] C. commutative (fg = gf) D. Inf-1±1	6		
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9 An event having more than one sample point is called $\begin{array}{c} B. \ Compound event \ C. \ Simple event \ D. \ None \\ \hline \\ 10 \ Question Image \\ \hline \\ 11 \ Roots of the equation x^2 + 5x - 1 = 0 are \begin{array}{c} A. \ 0 \ B. \ 1 \\ \hline \\ A. \ C. \ Simple event \ D. \ None of \ B. \ A. \ C. \ Complex \ D. \ None of the equation x^2 + 5x - 1 = 0 are \begin{array}{c} A. \ 0 \ B. \ Tational \ C. \ Complex \ D. \ None of these \\ \hline \\ 12 \ The set \{1, 2, 3, 4,\} is called \\ \hline \\ 13 \ The vertex of the graph of the quadratic function f(x) = x + 6x + 1, is \begin{array}{c} A. \ (-3, 10) \ B. \ (-3, -10) \ C. \ (-3, 10) \ D. \ (3, -10) \\ \hline \\ 14 \ 2x = 3 \text{ is a conditional equation it is true for} \\ \hline \\ 15 \ Riaz, Saba. \ Maria, Shehzad are to give speeches in a class. The teacher can arrange the order of their presentation in \begin{array}{c} A. \ 2 \ B. \ 3 \ C. \ 3/2 \ D. \ 2/3 \ Mon-commutative (fg \neq gf) \ B. \ Non-commutative (fg \neq gf) \ B. \ Non-cassociative [8(fh) \neq (8f)h] \ C. \ Commutative (fg = gf) \ D. \ 10f-f \neq f$	8	Question Image	
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17 Question Image B. C <sup>3</sup>	16	Composition of functions is	B. non-associative [8(fh) ≠(8f)h] C. Commutative (fg = gf)
	17	Question Image	B. C <sup>3</sup>

		D. 0
8	Range of sec x is	A. [-1, 1] B. R C. Negative real numbers D. R = {x   -1 < x < 1}
9	Arithmetic mean between 14 and 18 is	A. 16 B. 17 C. 15 D. 32
0	Question Image	