

ECAT Pre Engineering Entry Test

Sr	Questions	Answers Choice
1	Question Image	
2	Question Image	A. $4x + 1$ B. $4x$ C. $2x^{>3}$ D. none of these
3	A fraction in which the degree of the numerator is greater than or equal to the degree of the denominator is called	A. A proper fraction B. An improper fraction C. An equation D. An identity
4	A relation in which the equality is true for all values of the unknown is called _____	A. An identity B. An equation C. A polynomial D. None of these
5	Question Image	A. 3 B. 2 C. 8 D. 0
6	A relation in which the equality is true only for some values of the known is called _____	A. An identity B. An equation C. A polynomial D. None of these
7	Question Image	
8	Question Image	A. $3x^{>2} + 2$ B. $3x^{>2} + 2x + 3$ C. $x^{>3} + x^{>2}$ D. none of these
9	Question Image	A. $-2x^{>3}$ B. $2x^{>-3}$ C. $-2x^{>-3}$ D. $2x^{>3}$
10	Question Image	D. none of these
11	Question Image	
12	Question Image	
13	Question Image	A. 2C B. $C^{>3}$ C. 1 D. 0
14	Question Image	
15	Question Image	A. $2x$ B. $3x^{>2}$ C. 1 D. 0
16	Question Image	
17	Question Image	
18	Question Image	
19	Question Image	
20	Question Image	D. none of these
21	Question Image	
22	Question Image	D. none of these

A. Quadratic equation

23 $(x + 3)(x + 4) = x^2 + 7x + 12$ is _____

- B. Linear equation
- C. Cubic equation
- D. Identity

24 Question Image

- A. An expression
- B. Rational fraction
- C. Equation
- D. Identity

25 A fraction in which the degree of the numerator is less than the degree of the denominator is called

- A. Polynomial
- B. Equation
- C. Proper fraction
- D. Improper fraction

26 Question Image

27 Question Image

28 $\sinh^{-1}x =$ _____

29 Question Image

30 Question Image

- A. $\sinh x$
- B. $\cosh x$
- C. $\sec h x$
- D. $\operatorname{cosec} h x$