

## Chapter 2 : Polynomials

### Key Concepts

**Constants** : A symbol having a fixed numerical value is called a constant.

**Example** : 7, 3, -2,  $\frac{3}{7}$ , etc. are all constants.

**Variables** : A symbol which may be assigned different numerical values is known as variable.

**Example** : C - circumference of circle

r - radius of circle

Where 2 & are constants. while C and r are variable

**Algebraic expressions** : A combination of constants and variables. Connected by some or all of the operations +, -, X and is known as algebraic expression.

NCERT Notes For Class 10 Math

**Terms** : The several parts of an algebraic expression separated by '+' or '-' operations are called the terms of the expression.

Polynomials

### Polynomials

An algebraic expression in which the variables involved have only nonnegative integral powers is called a polynomial.

Polynomials

Degree of a polynomial in one variable

respectively and we also say that +1 is the constant term in it.

### Degree of a polynomial in one variable

In case of a polynomial in one variable the highest power of the variable is called the degree of the polynomial.

Classification of polynomials on the basis of degree.