

PROJECT FOR STD – X A, B, C

SUBJECT: MATHEMATICS

1. Complete Chapter on Polynomials.
2. Complete chapter on real nos.
3. Project : 1. Project on Factorizations (10 pgs)

$$(a + b)^2$$

$$(a - b)^2$$

$$(a^2 - b^2)$$

$$(a + b)^3$$

$$(a - b)^3$$

$$a^3 - b^3$$

$$a^3 + b^3$$

$$(a + b + c)^2$$

$$a^3 + b^3 + c^3 - 3abc$$

2. Rational and Irrational nos. (8 pgs)
4. Complete chapter on Equations in 2 variables.

PROJECT FOR STD – X A, B, C

SUBJECT: PHYSICS

TOPIC: ELECTRICITY

SUB TOPIC: 1. Electric Current

2. Potential difference
3. Ohm's Law
4. Resistance
5. Factor's on which the resistance of a conductor depends.
6. Series and Parallel combination of resistors and its application in daily life.

CHAPTER: 2

TOPIC: "MAGNETIC EFFECTS OF CURRENT"

SUB TOPIC: Magnetic field, field lines, field due to a current carrying conductor, field due to current carrying coil or solenoid; Force on current carrying conductor, Fleming's Left Hand Rule, Electric Motor, Electromagnetic induction. Induced current. Fleming's Right Hand Rule, Electric Generator, Domestic electric circuits.

SUBJECT: CHEMISTRY

Topic 1

Write about 10 chemical changes that are observed in day today life and write the chemistry involved in it.

Topic 2

Make a project on chemical reactions, its types and uses /effects.