

F.Y.B.A. (Home Science)
Semester-II
Applied Biology
(SSE -115)

Objectives:-

1. To understand the relation between biology and human welfare
2. To understand the roll of gene in human.

Unit-1

1. Biology – Definition & Branches of Biology.
2. Difference between animal cell & plant cell.
3. Characteristics of Living Creatures Roots -Definition, Normal & Specific Functions.

Unit-2

1. Stem - Definition, Normal & Specific Functions .
2. Leaf – A typical leaf (banyan).
3. Flower – A typical flower (Dhatura).
4. Artificial reproduction method in flowering plants.

Unit-3

1. Life History of Mosquito
- Malaria, Sighs & Symptoms, causes and prevention .
2. Genetics – Mendal's law of Heredity, Monohybridates.
3. Sex determination in human being, blood groups.

Unit-4

1. Useful Animals.
2. Useful Plants.
3. Sense Organs – Structure & Functions of Ear & Eye.

Reference:-

1. Jinnigyan – University Granth Nirman Board
2. Biology – Maur Prakashan (Gujarati)