

## Syllabus

### B. Sc. I Year Theory Minor elective Course

#### (Seed Technology)

- Definition of seed.
- Types of seed – on the basis of method of reproduction, on the basis of longevity of the seeds, on the basis of storability, on the basis of generation system.
- Seed Testing – Seed sampling, moisture test, physical purity analysis, Genetic purity test, Germination test, Viability test.
- Seed production procedure – Definition , identification, evaluation, release and notification of a variety.
- Farming pattern-
- Seed certification programme – Certification, seed Sampling , bagging and tagging & seed marketing , seed certificate organisation
- Seed release and notification.

#### Farm management

Insect pest and disease control – pest of crops , their eradication by different methods, weeds of Crop and control, control of bluebuck (Neelgai) stray animals ( awara pashu) & birds.

## Syllabus

### B.Sc. I Practical Minor Elective Course

#### (Seed Technology)

1. Floral study of important monocot and dicot families as – Studies inflorescence , floral management , floral morphology of some important plants – pea , brinjal , mustard and maize .
2. Morphological and anatomical studies of pea , gram , wheat and paddy .
3. Seed identification techniques
4. Seed vigour test ( Tetrazolium test ) .
5. Phenol peroxidase test for seed of different categories .
6. Identification of crop varieties ( cereals and pulses ) on morphological basis .
7. Morphological description of seed , seedling , flower of given specimen .
8. Pathological test of a given seed sample .