

Practical Syllabus for Agronomy [Class XI]

Marks – 30

Group A [20 marks]

1. Acquaintance with common farm implements and their operations . Dismantling and assembling of mould-board plough , seed drill , wheel hoe.
2. Measurement and record of temperature and rainfall.
3. Determination of test weights of different seeds (gram , wheat , rice , jute , mustard , maize) .
4. Determination of purity percentage , germination percentage , real value of seed . seed treatment of different crops.
5. Determination of soil texture by feel method.
6. Familiarities with different crop production operations (seedling , raising , transplanting etc) in relation with the theory course.
7. Acquaintance with the cultivation of important crops.
8. Mathematical calculation on the basis of relationship between particle density , bulk density and porosity of the soil.

Group B [10 marks]

1. Project work from the subject.
2. Practical exercise book / Laboratory Note Book
3. Viva-voce.

Practical Syllabus for Agronomy [Class XII]

Marks – 30

Group A [20 marks]

1. Identification of different manures and fertilizers . Acquaintance with different methods of fertilizer application . Study of the effects of fertilizers and other agricultural chemicals on crop growth and yield.
2. Familiarity with different crop production operations (seeding , raising , transplanting etc) of the important crops consistent to theory course.
3. Identification of different farm weeds , important diseases , insect pests and their damages.
4. Handling of hand sprayer and rotary duster.
5. Calculation of yield of different crops by studying the yield attributes related to the theory course.
6. Mathematical calculation of requirement of commercial fertilizers.
7. Determination of cropping intensity and cost of cultivation of different crops in correspondence with the theory course.
8. Acquaintance with the cultivation of important crops according to the theory course.
9. Student's practice of budding , inarching and Goote making .

Group B [10 marks]

1. Project work from the subject.
2. Practical exercise book / Laboratory Note Book
3. Viva-voce.