

DEPARTMENT OF BOTANY
KRANTISINH NANA PATIL COLLEGE, WALWA
Value Added Course

1. Title of the Course: “Techniques in Budding and Grafting”

2. Introduction : The Department of Botany, Krantisinh Nana Patil College, Walwa organized a fourteen days (34 Hours) Value Added Course on Techniques in Budding and Grafting for B.Sc.III Botany students to enhance themselves to develop research and development attitude and manufacture capabilities, to train the rural youth with modern agricultural techniques, to develop man power and technician for agricultural, to develop short term training programmers for agriculturists and students.

2. Class: B.Sc.III students having Botany as principle subject

3. Year of Implementation: Syllabus will be implemented from Academic year 2020-21

4. Objectives :

1. To develop research and development attitude and manufacture capabilities.
2. To train the rural youth with modern agricultural techniques.
3. To develop man power and technician for agricultural.
4. To develop short term training programmers for agriculturists and students.

Course Outcomes :

1. Understand the different methods of Budding and Grafting.
2. To develop new varieties in fruit plants by using of Budding and Grafting.
3. To develop new varieties in flowering plants by using of Budding and Grafting.

5. Duration: Total 34 hours (Theory 24 hours + Practical's 10 hours)

6. Syllabus:

1) Introduction to Horticulture

8 Hours

- 1.1 Horticulture – Present day status in India
- 1.2 Branches of Horticulture
- 1.3 Scope of Horticulture
- 1.4 Garden implements

2.0 Budding :

6 Hours

- 2.1 Introduction
- 2.2 Types of Budding

2.3 Significance of Budding

3.0 Grafting

10 Hours

3.1 Introduction

3.2 Types of Grafting

3.3 Significance of Grafting

4.0 Practical's

10 Hours

4.1 Garden implements

4.2 Budding and its Types

4.3 Grafting and its Types

References:

- 1) Gardening in India – Perey Lancaster 1997 Oxford & I.B.H. publishing Co. Pvt.Ltd. New Delhi.
- 2) A Art of Miniature Plant Culture – Day S.C. (2003) Agrobias, Jodhpur, India.
- 3) Horticulture and Gardening – Khan, M.R. (1995) Nirali Prakashan, Pune, India.
- 4) Sndhu, M.K. (1989) Plant Propagation. Wile Eastern Ltd. Bangalore, Madras.
- 5) Randhawa, G.S. and Mukhopadhyay, A. 1986, Floriculture in India, Allied Publishers.
- 6) Kumarsen V. Horticulture, Saras Publication.
- 7) Raising Garden – Das.
- 8) Fruiting growing in India – Haves V.B.
- 9) Horticulture Science – Jules Janick.

Examination pattern and criteria to get a certificate:

Examination is conducted for 50 Marks. Out of 50 marks 30 Marks are assigned for theory based examination and 20 marks for practical related examination. For theory based examination online examination will be conducted one month prior to semester VI examination. practical examination Will be conducted in botany laboratory oral examination will be conducted related to practical. You will be eligible for a certificate only if average score for theory and practical examination is greater thanor equal to 20.

Course Coordinator and Contact number:

Dr. Bharat N. Misal (Course Coordinator)

Mobile number: 9730712964