

Subject Name: CROP SCIENCE(B43)

Standard:12th

PAPER-1

Time:3hrs.

Total Marks for Practical:60

| Sr.No | Name of practical | Tools & impliments required | AVAILABLE YES/NO |
|-------|---|--|------------------|
| 1. | Study of problems on seed rate. | a.Seed samples of cereals,pulses,oilseeds b.Weighing balance | |
| 2. | Study of soil sample collection. | a.Khurpi,b.screw auger,c.digging fork,d.spade, e.cloth & plastic bags. | |
| 3. | Study of problems of fertilizer application. | Straight fertilizers(N,P,K) | |
| 4. | Study of classification of kharif season crops on the basis of family & botanical name. | Nil | |
| 5. | Study of Farm Management | a.plough,b.Harrow,c.seed drill,d.Hoe,e.Hand sprayer,f.Duster,g.Ghamela,h.Ridger, i.Sara yantra | |
| 6. | Study of varieties of different kharif season crops. | Seed samples of different varieties of kharif crops as per season & locality. | |
| 7. | Study of seed treatments of kharif season crops. | a.Fungicides,b.Insecticides,c.Rhizobium, d.Azatobactor,e.Plant Protection Equipments(PPE) | |
| 8. | Study of Farm Inputs. | a.Seed sample,b.Fertilizers,c.Manure,d.Pesticides, e.Fungicides,f.Weedicides | |
| 9. | Study of Classification of crop plants on different basis. | a.Crop samples,b.Arranging farm visits. | |
| 10. | Study of Tools & Impliments for Farm Use. | a.plough,b.Harrow,c.seed drill,d.Hoe, e.Hand sprayer,f.Duster,g.Ghamela, h.Ridger,i.Sara yantra,j.Weeder | |
| 11. | Establishment of crop cafeteria during the season.(A group of 15 students shall be given an area of 0.5ha.Under the guidance of teacher,to plan cropping scheme & carry out all operations in that area.Each student will prepare a report of work done by him. | Land required:0.5 ha. | |

Note/suggestions: 1)Each student shall prepare a project report/Album of- a) Collection of kharif crops Seedsamples,b)Specimen collection of manures & fertilizers.

2) For crop science subject, a common format of practical journal should be used by all colleges.

Subject Name: CROP SCIENCE(B44)

Standard:12th

PAPER-2

Time:3hrs.

Total Marks for Practical:60

| Sr.No | Name of practical | Tools & impliments required | AVAILABLE YES/NO |
|-------|---|--|------------------|
| 1. | Study of Pure Line of seeds. | a.Seed samples of cereals,pulses,oilseeds b.Weighing balance,c.Purity working board. | |
| 2. | Study of Prepaton of Fertilizer Mixtures. | a.Straight fertilizers(N,P,K),b.Ghamela. | |
| 3. | Study of Prepaton of Raised beds,Flat beds,Ridges&Furrows. | a.Spade,b.Digging fork,c.Kudali | |
| 4. | Study of Study of uses of pesticides & herbicides. | a.Pesticides,b,Herbicides.c.PPE Kit | |
| 5. | Study of Classification of Rabi season crops. | a.crop samples,b.Arranging farm visits. | |
| 6. | Study of varieties of different Rabi season crops. | Seed samples of different varieties of kharif crops as per season & locality. | |
| 7. | Study of seed treatments of Rabi season crops. | a.Fungicides,b.Insecticides,c.Rhizobium,d.Aza tobactor,e.Plant Protection Equipments(PPE) | |
| 8. | Study of Farm Labours. | Nil | |
| 9. | Study of Farm Records. | Maintain different farm records. | |
| 10 | Study of Plant Tissue Test. | a.Diphenyle Amine reagent,b.Paddy crop plant tissue test,c.Conc.H2so4,d.Weighing balance,e.Beaker,f.Test tubes,g.Dissection box. | |
| 11. | Establishment of crop cafeteria during the season.(A group of 15 students shall be given an area of 0.5ha.Under the guidance of teacher,to plan cropping scheme & carry out all operations in that area.Each student will prepare a report of work done by him. | Land required:0.5 ha. | |

Note:1) Each student shall prepare a project report/Album of a) Collection of rabi crops Seed samples.

b)Specimen collection of pest & diseases.

2) For crop science subject, a common format of practical journal should be used by all colleges.

हमी पत्र

मी, श्री./श्रीम.

प्राचार्य, कनिष्ठ महाविद्यालय.....
असे हमी पत्र लिहून देतो/देते की माझ्या कनिष्ठ महाविद्यालयाची प्रात्यक्षिक विषयासाठीची प्रयोगशाळा ही मंडळ कार्यालयाने प्रसिध्द केलेल्या उपकरणांच्या यादीप्रमाणे सर्व उपकरणांनी तसेच भौतिक सुविधांनी सुसज्ज आहे. अथवा पडताळणी समितीने प्रयोगशाळेची पडताळणी केल्यास त्यावेळी सदर उपकरणे उपलब्ध नसल्यास होणा-या कारवाईस मी स्वतः जबाबदार असेल.

दिनांक—

स्थळ—

प्राचार्याची स्वाक्षरी व शिक्का