

EDUCATIONAL MULTIMEDIA RESEARCH CENTRE : MYSORE

Project: NME_ICT (Phase I / II): PHASE -II

Subject : B.A/B.Sc., VOCATIONAL STUDIES

Programme name-III

Course name/Paper : COURSE-PLANT PROPAGATION

Subject Coordinator/ Course Coordinator : PROF. K A RAVISHA

Sl.no	E-content Module Title	Hard disk/flash	Corresponding video programme title	P.D. no.	Subject expert
1	Assessment of General Combining Ability		Assessment of General Combining Ability		Mahadev
2	Budding Techniques		Budding Techniques		Krupalini
3	Layering and its types		Layering and its types		Krupalini
4	Propagation structures with reference to green house		Propagation structures with reference to green house		Krupalini
5	Seed development		Seed development		Krupalini
6	Seed propagation		Seed propagation		Krupalini
7	Vegetative Propagation		Vegetative Propagation		Krupalini
8	Application of biometrical genetics in plant breeding		Application of biometrical genes in plant breeding		Krupalini
9	History, scope and importance of Plant propagation		History, scope and importance of Plant propagation		Krupalini
10	Propagation methods of some selected plants		Propagation methods of some selected plants		Hemanth
11	Regulation of seed production		Regulation of seed production		Krupalini
12	Scope and importance of vegetative propagation		Scope and importance of vegetative propagation		Hemanth
13	Centers of origin of cultivated plants		Centers of origin of cultivated plants		Mahadev
14	Early experiments on Hybridization in plants		Early experiments on Hybridization in Plants		Mahadev
15	Breeding Methodology		Breeding Methodology		Krupalini
16	Types of Plant breeding methods		Types of Plant breeding methods		Mahadev
17	Planned Hybridization		Planned Hybridization		Hemanth
18	Genetic basis of host pathogen interaction		Genetic basis of host pathogen interaction		Krupalini
19	Exploration and collection of Plant genetic resources		Exploration and collection of Plant genetic resources		Krupalini
20	Objectives and Scope of Plant Breeding		Objectives and Scope of Plant Breeding		Krupalini
21	Mendelian Consequences of Planned Hybridization		Mendelian Consequences of Planned Hybridization		Hemanth
22	Media for Propagation		Media for Propagation		Krupalini
23	Seed Certification		Seed Certification		Krupalini

24	Concept and goals of seed technology		Concept and goals of seed technology		Krupalini
25	Clones and genetic varieties in asexually propagated plants		Clones and genetic varieties in asexually propagated plants		Mahadev
26	Application of selection of self pollinated crops		Application of selection of self pollinated crops		Mahadev
27	Techniques and handling principles of seed production		Techniques and handling principles of seed production		Krupalini
28	Genetic Basis of Heterosis		Genetic Basis of Heterosis		Krupalini
29	Fertility regulating mechanism		Fertility regulating mechanism		Krupalini
30	Documentation conservation and utilization of genetic resources		Documentation conservation and utilization of genetic resources		Mahadev
31	Analytical procedures interpretation of estimated parameters		Analytical procedures interpretation of estimated parameters		Krupalini
32	Micro Propagation		Micro Propagation		Krupalini
33	Theories of Pureline Selection		Theories of Pureline Selection		
34	Propagation by Specialized Structures		Propagation by Specialized Structures		
35	Techniques and handling principles of seed production Part 2		Techniques and handling principles of seed production Part 2		
36	Introduction to Plant breeding		Introduction to Plant breeding		Mahadev
37	Grafting		Grafting		Krupalini
38	Introduction to Budding		Introduction to Budding		Krupalini
39	Deterioration of crop varieties and methods to prevent them		Deterioration of crop varieties and methods to prevent them		Krupalini
40	Quantitative inheritance		Quantitative Inheritance		
41	Types of Grafting		Types of Grafting		
42	Mechanism of insect resistance		Mechanism of insect resistance		
43	Breeding for disease resistance		Breeding for disease resistance		
44	Plant propagation by cutting Part - 1		Plant propagation by cutting Part - 1		
45	Plant propagation by cutting Part - 2		Plant propagation by cutting Part - 2		
46	Basis of genetic analysis		Basis of Genetic Analysis		

3.A./B.Com/B.Sc (1st /IInd /IIIRD yr): B.Sc., (1st year)

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