

PROGRAMME: MASTER OF SCIENCE BOTANY (MSCBOT-21)

Semester: Second

Course code: MSCBOT-509

COURSE NAME: PLANT REPRODUCTION

BLOCK-1-REPRODUCTIVE STRUCTURE

- Unit-1 The Flower: A modified shoot, Parts, Types and Reproduction of flowers
- Unit-2 Development of Male gametophyte
- Unit-3 Development of Female gametophyte
- Unit-4 Triple fusion and Double fertilization, Endosperm Development

BLOCK-2-SEED BIOLOGY

- Unit-5 Seed and Fruit development and Fruit types
- Unit-6 Significance of Hormones and Environmental Factors
- Unit-7 Seed storage, Dormancy and Germination

BLOCK-3-EXPERIMENTAL EMBRYOLOGY

- Unit-8 Parthenocarpy, Polyembryony and Apomixis
- Unit-9 Embryo and Anther culture, Embryo rescue
- Unit-10 Experimental embryology, Pollen storage and Test tube fertilization