

PROGRAMME: MASTER OF SCIENCE BOTANY (MSCBOT20)

Year/ Semester: IVth semester

Course Code: MBOT-607

Course Name: EMBRYOLOGY OF ANGIOSPERMS

Syllabus

BLOCK – I: EMBRYOLOGY OF ANGIOSPERMS – I

- Unit –1: Structure of Anther and Development of Male Gametophyte
- Unit –2: Structure of Ovule and Development of Female Gametophyte
- Unit –3: Fertilization
- Unit –4: Sexual Incompatibility

BLOCK – II: EMBRYOLOGY OF ANGIOSPERMS – II

- Unit –5: Development of Endosperm
- Unit –6: Development of Embryo
- Unit –7: Apomixis
- Unit –8: Polyembryony

BLOCK – III: EMBRYOLOGY OF ANGIOSPERMS – III

- Unit –9: Parthenocarpy
- Unit –10: Experimental Embryology
- Unit –11: Applications of Embryology in Taxonomy Agriculture and Horticulture
- Unit –12: Principles and Applications of Palynology