

PROGRAMME: MASTER OF SCIENCE BOTANY (MSCBOT20)

Year/ Semester: IInd semester

Course Code: MBOT-509

Course Name: PLANT PHYSIOLOGY

Syllabus

BLOCK – I: PLANT PHYSIOLOGY – I

Unit –1: Plant Water Relations

Unit –2: Mineral Nutrition

Unit –3: Photosynthesis – I

Unit –4: Photosynthesis – II

BLOCK – II: PLANT PHYSIOLOGY – II

Unit –5: Respiration – I

Unit –6: Respiration – II

Unit –7: Nitrogen and Sulphur Metabolism

Unit –8: Plant Growth Regulators

BLOCK – III: PLANT PHYSIOLOGY – III

Unit –9: Mechanism of Hormonal Regulation of Plant Growth and Development

Unit –10: Physiology of Flowering and Vernalisation

Unit –11: Seed Dormancy and Germination

Unit –12: Stress Physiology