

COURSE- PLANT PHYSIOLOGY AND BIOCHEMISTRY (MSCBOT-601)

UNIT SCHEDULE

BLOCK-1- PLANT-SOIL–WATER RELATIONSHIP

Unit-1-Plant- Soil and water relationship

Unit-2-Mineral nutrition

Unit-3-Mineral transport

BLOCK-2- PLANT METABOLISM

Unit-4-Photosynthesis and Photorespiration

Unit-5-Respiration

Unit-6-Nitrogen Fixation and Metabolism

Unit-7-Plant growth regulators

BLOCK-3- PLANT BIOCHEMISTRY AND STRESS PHYSIOLOGY

Unit-8-Carbohydrates and Lipids

Unit-9-Amino acids, Proteins, Enzymes and Co-enzymes

Unit-10-Secondary metabolites and Defense compounds, Flowering and Fruit ripening

Unit-11-Types of Stresses, Stress tolerance and Control