

Third year

Semester-5

Chemistry – 6A: Agro Chemicals and Nano materials (Elective)

Block – 1: Agrochemicals-1

Unit – 1: Historical aspects of plant nutrients.

Unit – 2: Brief survey of plant disease control chemicals.

Unit – 3: Different forms of Pesticides.

Block – 2: Agrochemicals-2

Unit – 4: Insecticides

Unit – 5: Fungicides

Unit – 6: Herbicides and Rodenticides.

Block – 3: Agrochemicals-3

Unit – 7: Plant growth hormones

Unit – 8: Bio pesticides

Unit – 9: Environmental effects of pesticides.

Block – 4: Nanomaterials.

Unit – 10: Introduction to Nanostructured Materials.

Unit – 11: Synthesis and Characterization of Nanomaterials.

Unit – 12: Carbon Nano structures and applications of Nanomaterials.

Practical: Chemistry – 6A: Agro Chemicals and Nano materials

Block – 1: Agro Chemicals

Unit – 1: Preparation of Agro chemical-1

Unit – 2: Preparation of Agro chemical-2

Unit – 3: Preparation of Agro chemical-3

Block – 1: Nano materials

Unit – 4: Preparation of Nano materials -1

Unit – 5: Preparation of Nano materials -2

Unit – 6: Preparation of Nano materials -3