

PROGRAMME: MASTER OF SCIENCE BOTANY (MSCBOT20)

Year/ Semester: Ist semester

Course Code: MBOT-501

Course Name: BIOLOGY AND DIVERSITY OF VIRUSES AND BACTERIA

Syllabus

BLOCK – I: VIRUSES

Unit –1: General Characters and Classification of Viruses

Unit –2: Chemistry and Ultrastructure of Viruses

Unit –3: Isolation and Purification of Viruses

Unit –4: Replication and Transmission of Viruses

Unit –5: General Account of Plant, Animal and Human Viral Disease

BLOCK – II: BACTERIA

Unit –6: General Account and Classification of Eubacteria, Archaeobacteria and Cyanobacteria

Unit –7: Ultra Structure, Nutrition and Reproduction of Bacteria

Unit –8: Economic Importance of Bacteria

Unit –9: Mycoplasma