

**PROGRAMME: MASTER OF SCIENCE BOTANY (MSCBOT20)**

**Year/ Semester: IV<sup>th</sup> semester**

**Course Code: MBOT-606**

**Course Name: BIOSTATISTICS AND ECOLOGY**

**Syllabus**

**BLOCK – I: BIOSTATISTICS**

Unit –1: Mean Variance

Unit –2: Application of Computers in Biology

**BLOCK – II: PLANT ECOLOGY – I**

Unit –3: Principles, Concepts and Levels of Ecology

Unit –4: Community Characteristics

Unit –5: Biodiversity

Unit –6: Ecosystem

**BLOCK – III: PLANT ECOLOGY – II**

Unit –7: Global Biogeochemical Cycles of C, N<sub>2</sub> and S

Unit –8: Climate, Soil, Vegetation Pattern of India

Unit –9: Climate Change and Green House Gases

Unit –10: Environmental Pollution