**KARIM CITY COLLEGE, JAMSHEDPUR**

**DEPARTMENT OF BOTANY**

**SYLLABUS DISTRIBUTION**

**AS PER FYUGP, NEP -2022**

**MINOR SEMESTER III**

**SEMESTER-III-Paper-Title–Minor (MN-1B)**

**(CREDIT -04 [THEORY- 03 + PRACTICAL- 01]**

**Biodiversity and Human welfare**

**DR.AFTAB ALAM KHAN:**

Course outcomes: - After the completion of this course, the learner will be able to:

1. Develop understanding of the concept and scope of plant biodiversity

2. Identify the causes and implications of loss of biodiversity

3. Apply skills to manage plant biodiversity

4. Utilize various strategies for the conservation of biodiversity 5.

Conceptualize the role of plants in human welfare with special reference to india

**Full Mark - 60 Time: - 3 Hrs.**

**Unit I:**

Plant Diversity and its Scope 10 lectures Levels of biodiversity: Genetic,

Species and Ecosystem; Agro biodiversity and cultivated plant taxa and related

wild taxa. Values and uses of Biodiversity, Methodologies for valuation, Ethical

and aesthetic values, Uses of plants; Ecosystem services.

**Unit II:**

Loss of Biodiversity 10 lectures Loss of biodiversity- causes and implications,

Hot spots of biodiversity, extinction of species, and projected scenario for

biodiversity loss.

**DR.SHARMILA CHAKRABORTY:**

**Unit III:**

Management of Plant Biodiversity 10 lectures Organizations associated with

biodiversity management, IUCN, UNEP, WWF, UNESCO, NBPGR; Methodology

for execution; Biodiversity legislation; Information management and

communication.

**Unit IV:**

Conservation of Biodiversity, Role of Plants in Relation to Human Welfare

Conservation of genetic, species and ecosystem diversity, In situ and ex situ

conservation strategies, India’s biodiversity and its conservation Social

approaches to conservation, Biodiversity awareness programmes, Sustainable

development.