**KARIM CITY COLLEGE**

**DEPARTMENT OF BOTANY**

**SYALLABUS DISTRIBUTION**

**AS PER FYUGP, NEP -2022**

**Paper Title – Advanced Major Paper – 2(AMJ-2)**

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

**Agronomy**

**DR.AFTAB ALAM KHAN:**

**Course Outcomes: -**

On the completion of the course the students will be able to:

1. Understand the concept of agronomy and sustainable agriculture.

2. Analyze different aspects diversified agriculture and farm enterprises,

production technology of vegetation and flowers.

3. Examine the implications integrated farming system along with production

Economics and farm management

4. Evaluate the IT communication and diffusion of agricultural innovation

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

**Unit I 12 lectures**

Introductory Agriculture, Fundamental of Soil Science, Field crop production,

Production technology of fruit crops, Soil fertility management, Agroforestry

system, Agriculture extension management.

**Unit II 11 lectures:**

Basic genetics, Diversified Agriculture and farm enterprises, Production

technology of vegetation and flowers, Rained Agriculture and water shed

management.

**DR.SHARMIL CHAKERBORTY:**

**Unit III 12 lectures:**

Crop improvement principles and practices, Integrated farming system and

sustainable Agriculture, Integrated pest management, Post-harvest technology

and value addition, Production economics and farm management

**Unit IV 10 lectures:**

Manures, Fertilizers and Agrochemicals, Weed management, Crop modelling-

Mechanization of small farms, IT communication and diffusion of agricultural

innovation.