

**B.Sc. Botany**  
**III Year: Semester-V**  
**Paper-1 B: Economic Botany**

**DSE-1 B**

**Credits-1**

**Practical Syllabus**

30 hours

1. Study of economically important plants: Wheat, Gram, Soybean, Black pepper, Clove Tea and Cotton through specimens, sections and microchemical tests.
2. Identification and study on nutrient values of locally available vegetables, millets and cereals.
3. Study on nutrient values and commercial status of Cashew nut, Almond and Walnut.
4. Uses and health implications of groundnut, sunflower, coconut, linseed and Brassica.
5. Identification of starch granules.
6. Quantitative estimation and comparative study of proteins in millets and cereals.
7. Collection of economically important plants / vegetable plants and preparation of Herbarium.

**Practical Exam - Model Paper**

**Time: 3 Hours**

**Max. Marks: 50**

**I. Experiments**

- |                                       |     |
|---------------------------------------|-----|
| A) Protein test (Major Experiment)    | 12M |
| B) Starch granules (Minor Experiment) | 6M  |

**II. Spotters**

- C) Leafy / Fruity Vegetables,
- D) Fruits / Spices,
- E) Medicinal Plants / Beverages,
- F) Wood / Timber / Fiber

4X3=12M

**III. Herbarium**

10M

**IV. Viva**

5M

**V. Record**

5M

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*Handwritten signatures and notes in green and blue ink:*  
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