

**Subject- BOTANY****Minor Elective Paper-I****I<sup>st</sup> year (Semester-I / Semester-II)****Unit- I**

Elementary knowledge of microbes: bacteria, fungi and viruses

02hr

**Unit- II**

Biofertilizers and their uses

02hr

**Unit- III**

Algae as human food, role of algae in water pollution control

02hr

**Unit- IV**

Mushrooms, their sources and use; Role of organic farming in agriculture

02hr

**Unit- V**

General symptoms of plant diseases caused by bacteria, fungi and viruses

02hr

**Unit- VI**

Fungicides and their uses, biopesticides

02hr

**Unit- VII**

Elementary knowledge of curd and cheese; Microbiology of water

02hr

**Unit- VIII**

Elementary knowledge of alcohols and antibiotics

02hr

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**Subject-BOTANY****Minor Elective Paper-II****II<sup>nd</sup> year (Semester-III / Semester-IV)****Unit- I**

Preparation and relevance of herbarium.

02hr

**Unit- II**

Relevance of plant classification, artificial system of classification.

02hr

**Unit- III**

Awareness of common medicinal plants (Tulsi, Giloy, Kalmegh, Ashwagandha, Sarpgandha)

02hr

**Unit- IV**

Important botanical gardens of India

02hr

**Unit- V**

Bonsai and greenhouse

02hr

**Unit- VI**

Origin of agriculture and crop domestication

02hr

**Unit- VII**

Beverages and Biofuel crops

02hr

**Unit- VIII**

Ethnobotany, Ethnomedicine and folk-lore

02hr

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