

**CC – III – Fungi, Lichens, Plant Pathology & Plant Protection**

**Theory:**

**Unit 1. Fungi** – A study of the General Characteristics and mode of life of main classes of Fungi (C, J Alexopoulos). Methods of isolation and culture of fungi. Economic importance of fungi.

**Unit – 2.** A study of the structure and reproduction in the following genera of the following units – *Plasmodiophora*, *albugo*, *Penicillium*, *Peziza*.

**Unit – 3.** *Polyporus*, *Puccinia*, *fusarium*, *Mycorrhiza*.

**Unit – 4. Lichens** – occurrence, classification, structure, reproduction and uses of lichens. Type – *Usnea*.

**Plant Pathology**

Mycoplasma – Little leaf of Brinjal

Virus – Tobacco Mosaic Virus.

Bacteria – Citrus canker.

Fungus – Red rot of sugarcane – Tikka disease of Groundnut, Blast disease of paddy

**Unit 5. Plant Protection.** Methods of protection- Cultural practices – Physical, Chemical & Biological controls and quarantine methods. Methods of application of fungicides and pesticides. Toxic hazards of pesticides – Plant protection appliances – seed protection.

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#### **PLANT PATHOLOGY**

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