

Weekly Lesson Plan (2018-19)

Course - B.Sc Botany (Hons.) First Semester

Subject - Mycology and Phytopathology (103)

Professor - ARCHANA SOOTA

Week - 16th July - 21st July 2018

- Fungi - Definition, General characteristics
- Ecology and Distribution
- Thallus Organization, EM of zoospore and septum

Week - 23rd July - 28th July 2018

- Fungi cell composition
- Nutrition, Growth, Reproduction and Sporulation
- Heterokaryosis and Parasexuality

Week - 30th July - 4th August 2018

- Sexual Compatibility
- Life Cycle Patterns
- Role of fungi in biotechnology

Week - 6th August - 11th August 2018

- Application of fungi in food industry
- Secondary metabolites
- Agriculture (Biofertilizers)

Week - 13th August - 18th August

- Mycotoxins
- Biological Control
- Medical mycology

Week - 20th - 25th August

- Group Discussion on Unit-1
- Unit test of Unit-1
- Myxomycota - Introduction

Week 27th August - 1st September

- Myxomycota - Thallus Organization and Importance
- Reproduction

Week, 3rd September - 8th September

- Oomycota - General characteristic, Thallus Organization, Reproduction, classification, Life cycle of Phytophthora, Mucgo.

Week 10th Sept. - 15th September

- Zygomycota & Ascomycota - General characteristics, Thallus Organization and classification

Week 17th Sept. - 22nd September

- Basidiomycota - General characteristic, Ecological
- Reproduction and Wheat Rust, Loose & Covered Smuts.
- General group discussion on unit-2.
- Class test of Unit-2.

Week 24th Sept - 29th September

- Mushrooms
- Mushroom Cultivation
- Deuteromycota - General characteristics

Week 1st October - 6th October

- Deuteromycota - Ecology, Significance, The Organization, Alternaria & Colletotrichum

Week 8th October - 13th October

- Lichens - Occurrence
- General characteristics
- Growth & forms of thallus Organization
- Reproduction & ecology significance

Week - 15th October - 20th October

- Doubt session of Unit - II
- Class test of Unit - II

Week 22th October - 27th October

- Host Pathogen Relationship Definition
- Importance
- Classification, causes and symptoms

Week 29th October - 3rd November

- Geographical distribution of diseases,
- Disease cycle
- Environmental relation
- Rols. of Quarantine

Week

6th Nov. to 13th Nov.

DIWALI BREAK

Week

19th Nov. to 24th Nov.

- Doubt session for Unit -4
- Class test of Unit 4.
- Revision

Week

26th Nov - 30th Nov.

- Revision