

Syllabus for 2013-14 Admitted batch

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Bridge course syllabus :-

- Topic I: Microbial world - Different types of microbes common structure - uses of them → 1h
- Topic II: Classification of thallophyta → 1 hour
- Topic III: Thallophyta general characters → 2 hours
- Topic IV: Algae - general characters → 1 hour
- Topic V: Fungi - general characters → 1 hour
- Topic VI: pteridophytes - General characters → 1 hour
- Topic VII: Gymnosperms - General characters → 1 hour
- Topic VIII: Anatomy - out lines → 1 hour
- Tissues, Tissue systems; wood anatomy → 1 hour

Total → 10 hrs

Model paper

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Exam at the end of Bridge course

class: I BSc

Max Time: 1 hr

sub: Botany

Max marks: 25M

- I. Answer the following essay question [1x1 = 6M]
  1. write an essay on general characters of thallophyta.
- II. Answer the following very short answer type questions [2x4 = 12 M]
  2. Tissues
  3. prothallus in pteridophytes
  4. Thallus in Bryophytes
- III. Answer the following very short answer questions [1x5 = 5M]
  5. pyrenoids
  6. Apothecium
  7. Gemma cup
  8. Sporocarp
  9. Male cone

## Bridge course syllabus for 2015-16 Batch. 11

Topic-I :- origin of life, Discovery of microorganisms, Germ theory of diseases. → 2hrs.

Topic-II :- Brief account of special groups of bacteria, Archeobacteria; Mycoplasmas, Chlamydia & Cyanobacteria. → 2hrs

Topic-III :- viruses :- General characters, Structure of TMV, T<sub>4</sub> Phage & viroids. → 1hr

Topic-IV :- Mutation in Bacteria & structure → 1hr

Topic-V :- Algae :- Economic importance of Algae cell structure in Algae. →

Thallus structure, Reproduction in Algae → 2hrs

Topic-VI :- Fungi - General characters, Cell structure of Fungi. → 1hr

Topic VII :- Lichen structure, Economic importance of Fungi. → 1hr

## Examination at the end of Bridge Course

sub:- Botany  
class I BSc (BZC)

Max. Marks: 25

Max. Time: 1hr

Q.I: write the following essay question [1X10=10M]

1) Explain structure and nutrition in Bacteria-10M

II write the following short answer type question [5X2=10M]

2) Economic importance of Fungi

3) Thallus structure in Algae.

III write very short answer type questions [1X5=5M]

4) Germ theory

5) Mycoplasma

6) TMV

7) Lichenology

8) Fruiting body.