



# TAMIL NADU OPEN UNIVERSITY

Chennai - 15  
School of Science

## HOME / SPOT ASSIGNMENT

Programme Code No :183  
Programme Name :B.Sc., Botany  
Course Code & Name : **BBOT11 Plant Diversity I – Cryptogams**  
Batch : AY 2019-2020  
No.of Assignment : One Assignment for Each 2 Credits ( Ex. 6 Credits )  
Maximum CIA marks : 25 ( Average of Total No. of Assignments )

### ASSIGNMENT - 1

Max : 25 marks

**Answer any one of the question not exceeding 1000 words**

1. Write Classification of Algae by F E Fritsch
2. Write about Economic Importance of Fungi
3. Give Detailed Structure of Bacterial Cell Wall

### ASSIGNMENT - 2

Max : 25 marks

**Answer any one of the question not exceeding 1000 words**

1. Give an account on Economic importance of Algae
2. Explain how Ainsworth classified Fungi
3. Describe the life cycle of Polytrichum

### ASSIGNMENT - 3

Max : 25 marks

**Answer any one of the question not exceeding 1000 words**

1. Write about life cycle of Volvox
2. Describe the life cycle of viruses
3. Give an Account on Pest control management

### ASSIGNMENT - 4

Max : 25 marks

**Answer any one of the question not exceeding 1000 words**

1. Describe the life cycle of Polysiphonia
2. Write detailed notes on Diatoms
3. Give notes on Riccia



# TAMIL NADU OPEN UNIVERSITY

Chennai - 15  
School of Science

## HOME / SPOT ASSIGNMENT

Programme Code No :183  
Programme Name :B.Sc., Botany  
Course Code & Name : **BBOT12 Plant Diversity I I**  
Batch : AY 2019-2020  
No.of Assignment : One Assignment for Each 2 Credits ( Ex. 6 Credits )  
Maximum CIA marks : 25 ( Average of Total No. of Assignments )

### ASSIGNMENT - 1

Max : 25 marks

**Answer any one of the question not exceeding 1000 words**

- 1) Write about reproductive features of Gymnosperms
- 2) Give a detailed account on structure and Reproduction of Cycus
- 3) Give the description of Rhynia

### ASSIGNMENT - 2

Max : 25 marks

**Answer any one of the question not exceeding 1000 words**

- 1) Give a detailed account on Reproduction in Pteridophytes
- 2) Write about fossils of plant parts
- 3) Outline the sporocarp of *Marsilea*

### ASSIGNMENT - 3

Max : 25 marks

**Answer any one of the question not exceeding 1000 words**

- 1) Give an account on Charecterestics of Pteridophytes/
- 2) Describe the life cycle of *Isoetes*
- 3) Describe the female cone of Gnetum

### ASSIGNMENT - 4

Max : 25 marks

**Answer any one of the question not exceeding 1000 words**

1. Write notes on the life cycle of Equisetum
2. Give an account on origin of Gymnosperms
3. Write the life cycle of Pinus



# TAMILNADU OPEN UNIVERSITY

Chennai - 15

School of Science

Department of Botany

Programme Code No : 183  
Programme Name : B.Sc., Botany  
Course Code & Name : BBOTA-11 & General Chemistry  
Batch : AY 2019-20  
No. of Assignment : One Assignment for Each 2 Credits  
Maximum Marks : 100  
Weightage : 25%

## ASSIGNMENT I

- 1) Discuss about the following
  - Autocatalysts
  - Positive/Negative catalysts
  - Homogeneous/Heterogeneous catalysts
  - Natural rubber
- 2) Describe in details about the Volumetric analysis.
- 3) Write short notes on Chemical bonds with its types.

## ASSIGNMENT II

Answer **all** questions

- 1) Write about the storage and handling of the following
  - Vaporizable chemicals
  - Inflammable chemicals
  - Carcinogenic chemicals
  - Poisonous chemicals
- 2) Discuss the following.
  - Standard solution
  - Indicators
  - Titration
  - Equivalent/End points

3) Discuss in details about the Mass units and purification of Organic compounds with examples.