



TAMILNADU OPEN UNIVERSITY

Chennai - 15

School of Science
Department of Botany

ASSIGNMENT - 1

Programme Code No	:183
Programme Name	:B.Sc., Botany
Course Code & Name	:BBOT-11 Plant Diversity - I
Batch	: AY 2018-19
No.of Assignment	: One Assignment for Each 2 Credits
Maximum Marks	: 100
Weightage	: 25%

Part – A (4 x 10 = 40 Marks)

Answer the following in 200 words each. Each question carries 10 marks

- 1) Sketch Classification of Algae by F.E.Fritsch
- 2) Write about General characteristic features of Phaeophyceae
- 3) Write a notes on Diatoms or Bacillariophyta
- 4) Give an account on vegetative reproduction of Algae

Part – B (2 x 30 = 60 Marks)

Answer **any two** of the questions given below in 1000 words each.

- 1) Give a detailed account on Economic importance of Algae
- 2) Describe different life cycle of Algae
- 3) Outline the morphology and life cycle of *Polysiphonia*



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ASSIGNMENT - 2

Programme Code No	:183
Programme Name	:B.Sc., Botany
Course Code & Name	:BBOT-11 Plant Diversity - I
Batch	: AY 2018-19
No.of Assignment	: One Assignment for Each 2 Credits
Maximum Marks	: 100
Weightage	: 25%

Part – A (4 x 10 = 40 Marks)

Answer the following in 200 words each. Each question carries 10 marks

- 5) Write a notes on Diatoms or Bacillariophyta
- 6) What are all special types of reproduction in Fungi describe with diagrams
- 7) Describe the Life cycle of Riccia
- 8) Give an account on Sexual reproduction in Bryophytes

Part – B (2 x 30 = 60 Marks)

Answer **any two** of the questions given below in 1000 words each.

- 4) Give a detailed account on Economic importance of Fungi
- 5) Describe the life cycle of Penicillium
- 6) Outline the Classification of Bryophytes



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ASSIGNMENT - 3

Programme Code No	:183
Programme Name	:B.Sc., Botany
Course Code & Name	:BBOT-11 Plant Diversity - I
Batch	: AY 2018-19
No.of Assignment	: One Assignment for Each 2 Credits
Maximum Marks	: 100
Weightage	: 25%

Part – A (4 x 10 = 40 Marks)

Answer the following in 200 words each. Each question carries 10 marks

- 9) Write about structure and types of Bacteria
- 10) Give an account on Bacterial Endospores
- 11) Describe the Economic importance of Bacteria in different fields
- 12) Give an account on Plant pathogens

Part – B (2 x 30 = 60 Marks)

Answer **any two** of the questions given below in 1000 words each.

- 7) Give a detailed account on sewage treatment
- 8) Describe the life cycle of virus
- 9) Outline the pest control management



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ASSIGNMENT - 1

Programme Code No	:183
Programme Name	:B.Sc., Botany
Course Code & Name	:BBOT-12 Plant Diversity - II
Batch	: AY 2018-19
No.of Assignment	: One Assignment for Each 2 Credits
Maximum Marks	: 100
Weightage	: 25%

Part – A (4 x 10 = 40 Marks)

Answer the following in 200 words each. Each question carries 10 marks

- 13) Give salient features of Pteridophytes.
- 14) Write Classification of Pteridophytes by Smith.
- 15) Describe the vascular system in Pteridophytes
- 16) Give an account on gametophytic life cycle in Pteridophytes

Part – B (2 x 30 = 60 Marks)

Answer **any two** of the questions given below in 1000 words each.

- 10) Give a detailed account on Reproduction in Pteridophytes
- 11) Describe the life cycle of *Isoetes*
- 12) Outline the sporocarp of *Marsilea*



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ASSIGNMENT - 2

Programme Code No	:183
Programme Name	:B.Sc., Botany
Course Code & Name	:BBOT-12 Plant Diversity - II
Batch	: AY 2018-19
No.of Assignment	: One Assignment for Each 2 Credits
Maximum Marks	: 100
Weightage	: 25%

Part – A (4 x 10 = 40 Marks)

Answer the following in 200 words each. Each question carries 10 marks

- 17) Write Salient features of Gymnosperms.
- 18) Sketch the Classification of Gymnosperms by Sporne
- 19) Describe the origin of Gymnosperms
- 20) Give an account morphological structure of Pinus

Part – B (2 x 30 = 60 Marks)

Answer **any two** of the questions given below in 1000 words each.

- 13) Write about reproductive features of Gymnosperms
- 14) Give a detailed account on structure and Reproduction of Cycus
- 15) Describe the female cone of Gnetum



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ASSIGNMENT - 3

Programme Code No	:183
Programme Name	:B.Sc., Botany
Course Code & Name	:BBOT-12 Plant Diversity - II
Batch	: AY 2018-19
No.of Assignment	: One Assignment for Each 2 Credits
Maximum Marks	: 100
Weightage	: 25%

Part – A (4 x 10 = 40 Marks)

Answer the following in 200 words each. Each question carries 10 marks

- 21) Describe Origin of Land Plants.
- 22) Describe Diversification of Flowering Plants
- 23) Give an account on types of Fossils
- 24) Write about Coal Balls

Part – B (2 x 30 = 60 Marks)

Answer **any two** of the questions given below in 1000 words each.

- 16) Give a detailed account on Reproduction in Pteridophytes
- 17) Write about fossils of plant parts
- 18) Give the description of Rhynia



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Department of Botany

ASSIGNMENT-1

Programme Code No : 183

Programme Name : B.Sc. - Botany

Course Code & Name : BBOTA - 11 & General Chemistry

Batch : AY 2018-19

No. of Assignment : One Assignment for Each 2 Credits

Maximum Marks : 100

Weightage : 25%

Part - A (4 x 10 = 40 Marks)

Answer the following in 200 words each. Each question carries 10 marks

- 1) Explain in details about the structure based classification of polymers.
- 2) Write notes on the Metallic bond and Hydrogen bonding.
- 3) Discuss about Michealis-Menten equation.
- 4) Describe about the Fractional distillation and Steam distillation techniques.

Part - B (2 x 30 = 60 Marks)

Answer **any two** of the questions given below in 1000 words each.

- 1) Describe the following with examples.
 - Strength
 - Normality
 - Molarity
 - Molality
 - Wight/Volume composition percentage
- 2) Explain in details about the Chromatography and its types.
- 3) Discuss in details about the Polymerization.



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School of Science

Department of Physics/Botany

ASSIGNMENT-2

Programme Code No : 183
Programme Name : B.Sc. - Botany
Course Code & Name : BBOTA - 11 & General Chemistry
Batch : AY 2018-19
No. of Assignment : One Assignment for Each 2 Credits
Maximum Marks : 100
Weightage : 25%

Part - A (4 x 10 = 40 Marks)

Answer the following in 200 words each. Each question carries 10 marks

- 1) Give notes on Normality, Molarity and Molality.
- 2) Write notes on the Sublimation and Crystallization techniques.
- 3) Explain about the Standard solution and Indicator.
- 4) Describe about the classification of Saccharides.

Part - B (2 x 30 = 60 Marks)

Answer any two of the questions given below in 1000 words each.

- 1) Discuss in details about the Polythene, Polystyrene, Teflon and Buna-S rubber.
- 2) Describe the following with examples.
 - Addition reaction
 - Elimination reaction
 - Substitution reaction
 - Rearrangement reaction
- 3) Describe in details about the Chemical bonds.
