



TAMIL NADU OPEN UNIVERSITY

Chennai - 15
School of Science

HOME / SPOT ASSIGNMENT

Programme Code No :283
Programme Name :M.Sc., Botany
Course Code & Name : **MBOT11** Cryptogams
Batch : AY 2020-2021 Arrear
No.of Assignment : One Assignment for Each 2 Credits (Ex. 6 Credits)
Maximum CIA marks : 15 (Average of Total No. of Assignments)

ASSIGNMENT - 1

Max : 15 marks

Answer any one of the question not exceeding 1000 words

- 1) Give an account on reproduction in Bryophytes
- 2) Outline the host – parasite interaction.
- 3) Give a detailed account on Mushroom Cultivation

ASSIGNMENT - 2

Max : 15 marks

Answer any one of the question not exceeding 1000 words

- 1) Narrate Classification of Algae by F.E. Fritsch
- 2) Write about morphology and reproduction of *Riccia*
- 3) Outline the Morphology and life cycle of *Isoetes*.

ASSIGNMENT - 3

Max : 15 marks

Answer any one of the question not exceeding 1000 words

- 1) Sketch the classification of Fungi
- 2) Give a detailed account on Life cycle of Phaeophyceae and Cyanophyceae.
- 3) Outline the Morphology and life cycle of *IPolysiphonia*.



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Programme Code No :283
Programme Name :M.Sc., Botany
Course Code & Name : **MBOT12** Microbiology and Immunology
Batch : AY 2020-2021 Arrear
No.of Assignment : One Assignment for Each 2 Credits (Ex. 6 Credits)
Maximum CIA marks : 15 (Average of Total No. of Assignments)

ASSIGNMENT - 1

Max : 15 marks

Answer any one of the question not exceeding 1000 words

- 4) Write about Lymphocytes of T & B.
- 5) Give a detailed account on sewage treatment.
- 6) Describe immunoglobulins and its types and fuction.

ASSIGNMENT - 2

Max : 15 marks

Answer any one of the question not exceeding 1000 words

- 1) Write about Electron microscope and its principles.
- 2) Give a detailed account on Ag-Ab reaction.
- 3) Outline the uses of bacteria in medicine.

ASSIGNMENT - 3

Max : 15 marks

Answer any one of the question not exceeding 1000 words

- 4) Write about Electron microscope and its principles.
- 5) Give a detailed account on sewage treatment.
- 6) Describe Life Cycle of CaMV



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Programme Code No :283
Programme Name :M.Sc., Botany
Course Code & Name : **MBOT13** Gymnosperms and Palaeobotany
Batch : AY 2020-2021 Arrear
No.of Assignment : One Assignment for Each 2 Credits (Ex. 6 Credits)
Maximum CIA marks : 15 (Average of Total No. of Assignments)

ASSIGNMENT - 1

Max : 15 marks

Answer any one of the question not exceeding 1000 words

- 7) Write detailed account of Ephedra
- 8) Describe role fossil in excavations.
- 9) Give detailed account on reproduction in Cycadales and bennettitales.

ASSIGNMENT - 2

Max : 25 marks

Answer any one of the question not exceeding 1000 words

- 1) Write detailed account of Ginkgo.
- 2) Describe role fossil in excavations.
- 3) Give detailed account on Fossilization methods.

ASSIGNMENT - 3

Max : 15 marks

Answer any one of the question not exceeding 1000 words

- 1) Write detailed account of *Araucaria*
- 2) Describe Geological Time scale
- 3) Give detailed account on Rhinea.



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Programme Code No :283
Programme Name :M.Sc., Botany
Course Code & Name : **MBOT14 Phanerogams**
Batch : AY 2020-2021 Arrear
No.of Assignment : One Assignment for Each 2 Credits (Ex. 6 Credits)
Maximum CIA marks : 15 (Average of Total No. of Assignments)

ASSIGNMENT - 1

Max : 15 marks

Answer any one of the question not exceeding 1000 words

- 10) Write detailed account on Binomial nomenclature
- 11) Describe Artificial Classification of angiosperms.
- 12) Give detailed account on International code of Botanical Nomenclature.

ASSIGNMENT - 2

Max : 25 marks

Answer any one of the question not exceeding 1000 words

- 4) Write A Brief account of B.S.I, Kew and its role.
- 5) Describe role of Computer applications in systematics
- 6) Give Family description of Annonaceae and Cyperaceae.

ASSIGNMENT - 3

Max :15 marks

Answer any one of the question not exceeding 1000 words

- 4) Write about Typification, Principles of Priority and the limitations
- 5) Describe Cladistics, Dendrograms, periodicals and floras and Serotaxonomy
- 6) Write about family description Poaceae and Apiaceae.



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Programme Code No :283
Programme Name :M.Sc., Botany
Course Code & Name : **MBOT15 Plant Anatomy and Embryology**
Batch : AY 2019-2020
No.of Assignment : One Assignment for Each 2 Credits (Ex. 6 Credits)
Maximum CIA marks : 15 (Average of Total No. of Assignments)

ASSIGNMENT - 1

Max : 15 marks

Answer any one of the question not exceeding 1000 words

- 13) Write notes on structure and development of anther.
- 14) Write about Herbarium.
- 15) Give an account on megasporogenesis.

ASSIGNMENT - 2

Max : 15 marks

Answer any one of the question not exceeding 1000 words

- 7) Give detailed notes on Theories of meristem.
- 8) Write about different methods of pollination.
- 9) Give an account on Primary and secondary tissues

ASSIGNMENT - 3

Max : 15 marks

Answer any one of the question not exceeding 1000 words

- 1) Sketch the Structure of rays – types and evolution of rays..
- 2) Describe secondary xylem.
- 3) Write about apomixes, parthenocarpy,