



TAMIL NADU OPEN UNIVERSITY

Chennai - 15
School of Science

HOME / SPOT ASSIGNMENT

Programme Code No :283
Programme Name :M.Sc., Botany
Course Code & Name : **MBOT21 Plant Physiology**
Batch : Upto 2019-20 Arrear
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 notes on Macro and micro nutrients,
- 2) Write about Photophosphorylation in C3 and C4 plants
- 3) Give an account on Auxin.

ASSIGNMENT - 2

Max : 25 marks

Answer any one of the question not exceeding 1000 words

- 1) Give detailed notes on Stomatal Types and function.
- 2) Write about Nitrogen fixation in plants.
- 3) Give an account on Phytochrome pumps

ASSIGNMENT - 3

Max : 25 marks

Answer any one of the question not exceeding 1000 words

- 1) Sketch the Electron Transport chain.
- 2) Describe Respiration in detail.
- 3) Write about photoperiodism in detail.



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Programme Code No :283
Programme Name :M.Sc., Botany
Course Code & Name : **MBOT22** Cytology and Plant Genetics
Batch : Upto 2019-20 Arrear
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 notes on Chloroplast,
2. Write about Mendelian Law of inheritance with examples
3. Give an account on Nucleus.

ASSIGNMENT - 2

Max : 25 marks

Answer any one of the question not exceeding 1000 words

1. Give detailed notes on cell division.
2. Write about cytoplasmic inheritance.
3. Give an account on Population genetics

ASSIGNMENT - 3

Max : 25 marks

Answer any one of the question not exceeding 1000 words

1. Sketch and explain Ultra structure of Plant cell and cell wall.
2. Describe Linkage and crossing over
3. Write about mutation in detail..



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Programme Code No :283
Programme Name :M.Sc., Botany
Course Code & Name : **MBOT23** Ecology and Forestry
Batch : Upto 2019-20 Arrear
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 notes on Methods of studying plant community,
2. Write about Air pollution and control measures
3. Methods of studying vegetation - Quadrat and Transect Explain

ASSIGNMENT - 2

Max : 25 marks

Answer any one of the question not exceeding 1000 words

- 1) Give detailed notes on Ecological adaptations.
- 2) Give an account on water pollution and control measures
- 3) Write about forest management

ASSIGNMENT - 3

Max : 25 marks

Answer any one of the question not exceeding 1000 words

1. Sketch and explain Ecosystem.
2. Describe Biogeo chemical cycle
3. Write about Types of forests



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Programme Code No :283
Programme Name :M.Sc., Botany
Course Code & Name : **MBOT24 Biophysics & Biochemistry**
Batch : Upto 2019-20 Arrear
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 notes on Law of thermodynamics with example,
2. Write about different types of electrodes
3. Give an account on Classification of amino acids

ASSIGNMENT - 2

Max : 25 marks

Answer any one of the question not exceeding 1000 words

1. Give detailed notes on Gibbs free energy.
2. Give an account on Structure and function of proteins
3. Write about Enzyme action

ASSIGNMENT - 3

Max : 25 marks

Answer any one of the question not exceeding 1000 words

1. Sketch and explain Carbohydrate classification.
2. Write about Structure of proteins
3. Describe Enzyme nomenclature



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Programme Code No :283
Programme Name :M.Sc., Botany
Course Code & Name : **MBOT25 Molecular biology and Biotechnology**
Batch : Upto 2019-20 Arrear
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 DNA replication,
2. Describe Decoding the codons
3. Give an account on Regulation of mRNA

ASSIGNMENT - 2

Max : 25 marks

Answer any one of the question not exceeding 1000 words

1. Give detailed notes on DNA-Watson and Crick model
2. Describe DNA Replication
3. Write about Organogenesis and Somatic embryogenesis

ASSIGNMENT - 3

Max : 25 marks

Answer any one of the question not exceeding 1000 words

1. Sketch and explain Gene Expression: Transcription - Translation
2. Write about Genetic variation – mutation
3. Describe the Application of Plant Tissue culture in Crop improvement