



TAMILNADUOPENUNIVERSITY

Chennai - 15
School of Science

HOME / SPOT ASSIGNMENT

Programme Code No :283
Programme Name :M.Sc., Botany
Course Code & Name :**MBOT21 Plant Physiology**
Batch : AY 2018-2019
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 StomatalTypes 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 : AY 2018-2019
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 : AY 2018-2019
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 : AY 2018-2019
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 : AY 2018-2019
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) Write about types of DNA
- 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:
- 2) Write about Genetic variation – mutation
- 3) Describe the Application of Plant Tissue culture in Crop improvement