



TAMIL NADU OPEN UNIVERSITY

School of Science

Chennai-15.

M.Sc., Botany – Second Year
HOME ASSIGNMENT

Programme Code No	:283
Programme Name	:M.Sc., Botany
Course Code & Name	:MBOT -21 Plant Physiology
Batch	: AY2020` -21
No.of Assignment	: 3
Maximum Marks CIA	: 25 Marks [Average of total no. of Assignments]

ASSIGNMENT -1

Answer any ONE of the following three questions in 1000 words

1. Write about Water Potential
2. Give an account Stomatal types
3. Describe Ammonification and Nitrification

ASSIGNMENT - 2

Answer any ONE of the following three questions in 1000 words

1. Explain Transpiration and Guttation
2. Write about CAM pathway
3. Give an account on Amino acids

ASSIGNMENT - 3

Answer any ONE of the following three questions in 1000 words

1. Write notes on Respiration
2. Describe Auxin and Cytokinin
3. Give an account on Fruit ripening and seed dormancy



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Programme Code No : 283
Programme Name : M.Sc., Botany
Course Code & Name : MBOT -22 Cytology and Plant Genetics
Batch : AY2020` -21
No. of Assignment : 3
Maximum Marks CIA : 25 Marks [Average of total no. of Assignments]

ASSIGNMENT - 1

Answer any ONE of the following three questions in 1000 words

1. Write about cell theory
2. Give an account on Chloroplast
3. Describe Nucleus

ASSIGNMENT - 2

Answer any ONE of the following three questions in 1000 words

1. Cell Cycle - Explain
2. Write about Cell Division
3. Give an account on Linkage and crossing over

ASSIGNMENT - 3

Answer any ONE of the following three questions in 1000 words

1. Cytoplasmic male sterility - Elaborate
2. Write about Dihybrid ratio
3. Give an account on Mutation



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Programme Code No :283
Programme Name :M.Sc., Botany
Course Code & Name :MBOT -23 Ecology and Forestry
Batch : AY2020` -21
No.of Assignment : 3
Maximum Marks CIA : 25 Marks [Average of total no. of Assignments]

ASSIGNMENT -1

Answer any ONE of the following three questions in 1000 words

1. Write about Components of Ecosystem
2. Give an Population ecology
3. Air Pollution - Detailed account

ASSIGNMENT - 2

Answer any ONE of the following three questions in 1000 words

1. Explainn - Biogeo chemical cycles
2. Water pollution - Elaborate
3. ExplainTypes of Forests

ASSIGNMENT - 3

Answer any ONE of the following three questions in 1000 words

1. Write about Quantitative an qualitative measurements of Ecosystem
2. Give an account on Thermal Pollution
3. India forest act - explain



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HOME ASSIGNMENT

Programme Code No	:283
Programme Name	:M.Sc., Botany
Course Code & Name	:MBOT -24 Biophysics and Biochemistry
Batch	: AY2020` -21
No.of Assignment	: 3
Maximum Marks CIA	: 25 Marks [Average of total no. of Assignments]

ASSIGNMENT -1

Answer any ONE of the following three questions in 1000 words

1. Explain Free energy
2. Explain Redox Potential with example
3. Write about types of bonding

ASSIGNMENT - 2

Answer any ONE of the following three questions in 1000 words

1. Write about types of isomerism
2. Give a detailed account on Proteins
3. Write Classification of Enzymes

ASSIGNMENT - 3

Answer any ONE of the following three questions in 1000 words

1. Sketch Lipid classification
2. Write about structure of Proteins
3. Mechanism of Enzyme Action - Explain



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HOME ASSIGNMENT

Programme Code No	:283
Programme Name	:M.Sc., Botany
Course Code & Name	:MBOT -25 Molecular Biology and Biotechnology
Batch	: AY2020` -21
No.of Assignment	: 3
Maximum Marks CIA	: 25 Marks [Average of total no. of Assignments]

ASSIGNMENT -1

Answer any ONE of the following three questions in 1000 words

1. Write about DNA replication
2. Transcription in Prokaryotes - Explain
3. Explain - Stability of Messenger RNA

ASSIGNMENT - 2

Answer any ONE of the following three questions in 1000 words

1. Genetic Code - Explain
2. Write about vectors
3. Write Application of Genetic Engineering

ASSIGNMENT - 3

Answer any ONE of the following three questions in 1000 words

1. RNA splicing and Capping - explain
2. Hybridization - explain with examples
3. Somatic embryogenesis - Give detailed account