

M. Sc., Botany 2021- 2022 Batch
Assignment Titles for Second Semester

| Enrollment No. | Name | Assignment Titles |
|-----------------------|---------------------|--|
| 2021023460001 | Sabitha Valandina G | 2.1. Protein processing and trafficking from ER to Golgi. 2.2. Light and Electron microscopic structure of Cell walls. 2.3. Cyanide resistant respiration and Nitrate & ammonia assimilation. |
| 2021023460002 | Karthika P | 2.1. Mendelian Genetics and Gene Interaction. 2.2. a. Molecular aspects of developing vegetative organs. b. Cambial variants and floral vasculature. 2.3. Essay on Enzymes. |
| 2021023460003 | Jansi S R | 2.1. Cell Division and Cell cycle. 2.2. Structural diversity, phylogenetic specialization of Xylem and Phloem. 2.3. Essay on Amino acids and proteins. |
| 2021023460004 | Geetha P | 2.1. Protein sorting in mitochondria, chloroplast, endoplasmic reticulum and nucleus. 2.2. Vascular differentiation in the primary body of stem, root and leaf. 2.3. Glycolysis, TCA cycle and PP pathway. |
| 2021023460005 | Karthika M | 2.1. Structure of Prokaryotic and Eukaryotic cells 2.2. Molecular aspects of higher plant reproduction 2.3. a. Transpiration and its significance, factors affecting transpiration. 2.3.b. Mechanism of stomatal movement |
| 2021023460006 | Renuga R | 2.1. Structure and functions of Nucleus and Lysosomes 2.2. Anther development and pollen morphology 2.3. Water transport process |
| 2021023460007 | Vinodhini S | 2.1. Structure and functions of Entoplasmic Reticulum and Golgi Complex. 2.2. Megasporogenesis, Female gametophyte 2.3. Ultra structure of photosynthetic apparatus. |
| 2021023460008 | Mary Shylaja S | 2.1. Organization and functions of Cytoskeletons. 2.2. Physical, chemical and mechanical properties of wood 2.3. C4 and C3 carbon cycles. |
| 2021023460009 | Ilakkiaselvi K | 2.1. Structure and functions of Chloroplast and Mitochondria 2.2. Nutrition to embryo sac and types of endosperm. 2.3. Photochemical reactions and electron transport pathway in chloroplast membranes. |

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| Enrollment No. | Name | Assignment Titles |
|-----------------------|--------------|--|
| 2021023460010 | Nithya J | 2.1. Structure, assembly and functions of biological membrane. 2.2. Molecular aspects of wood differentiation. 2.3. Biological nitrogen fixation |
| 2021023460011 | Muthusamy S | 2.1. Transport of ions and molecules across the membranes. 2.2. Commercial woods of south India. 2.3. Nutrient uptake and transport mechanism. |
| 2021023460012 | Sumathi T | 2.1. Protein sorting in mitochondria, chloroplast, endoplasmic reticulum and nucleus. 2.2. Vascular differentiation in the primary body of stem, root and leaf. 2.3. Glycolysis, TCA cycle and PP pathway. |
| 2021023460013 | Davika B | 2.1. Cell Division and Cell cycle. 2.2. Structural diversity, phylogenetic specialization of Xylem and Phloem. 2.3. Essay on Amino acids and proteins. |
| 2021023460014 | Uma K | 2.1. Mendelian Genetics and Gene Interaction. 2.2. a. Molecular aspects of developing vegetative organs. b. Cambial variants and floral vasculature. 2.3. Essay on Enzymes. |
| 2021023460015 | Gracy S | 2.1. Structure of Prokaryotic and Eukaryotic cells 2.2. Molecular aspects of higher plant reproduction 2.3. a. Transpiration and its significance, factors affecting transpiration. 2.3.b. Mechanism of stomatal movement |
| 2021023460016 | Nancy Mary P | 2.1. Protein processing and trafficking from ER to Golgi. 2.2. Light and Electron microscopic structure of Cell walls. 2.3. Cyanide resistant respiration and Nitrate & ammonia assimilation. |
| 2021023460017 | Kudiyarasi | 2.1. Mendelian Genetics and Gene Interaction. 2.2. a. Molecular aspects of developing vegetative organs. b. Cambial variants and floral vasculature. 2.3. Essay on Enzymes. |
| 2021023460018 | Raju N | 2.1. Cell Division and Cell cycle. 2.2. Structural diversity, phylogenetic specialization of Xylem and Phloem. 2.3. Essay on Amino acids and proteins. |

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Assignment Titles for Second Semester

| Enrollment No. | Name | Assignment Titles |
|-----------------------|---------------------|--|
| 2021023460019 | Hepsiba Celestina J | 2.1. Protein sorting in mitochondria, chloroplast, endoplasmic reticulum and nucleus. 2.2. Vascular differentiation in the primary body of stem, root and leaf. 2.3. Glycolysis, TCA cycle and PP pathway. |
| 2021023460020 | Surya Praba D | 2.1. Structure of Prokaryotic and Eukaryotic cells 2.2. Molecular aspects of higher plant reproduction 2.3. a. Transpiration and its significance, factors affecting transpiration. 2.3.b. Mechanism of stomatal movement |
| 2021023460021 | Thangammal R | 2.1. Structure and functions of Nucleus and Lysosomes 2.2. Anther development and pollen morphology 2.3. Water transport process |
| 2021023460022 | Praveena D | 2.1. Structure and functions of Entoplasmic Reticulum and Golgi Complex. 2.2. Megasporogenesis, Female gametophyte 2.3. Ultra structure of photosynthetic apparatus. |
| 2021023460023 | Navaneetham A | 2.1. Organization and functions of Cytoskeletons. 2.2. Physical, chemical and mechanical properties of wood 2.3. C4 and C3 carbon cycles. |
| 2021023460024 | Sudhakaran G K | 2.1. Structure and functions of Chloroplast and Mitochondria 2.2. Nutrition to embryo sac and types of endosperm. 2.3. Photochemical reactions and electron transport pathway in chloroplast membranes. |

The Last Date for Submission of Assignments is 31st March, 2022, 10:00 a.m.

The Assignments should reach the following address:

Dr. M JOTHI BASU
Programme Coordinator
M. Sc., Botany Programme
Directorate of Distance Education
Alagappa University
Karaikudi- 630 003