

### Assignment Titles for Third Semester- 2020-2022 Batch

Roll No.	Name	Assignment Titles
2020023460001	SAMUEL M	3.1. Classification of microorganisms 3.2. Origin and History ,Botanical description, Cultivation, Processing and uses of Medicinal Plants: Rauvolfia, Aconitum, Jatamansi, Sathavari 3.3. Upstream and downstream processes of algal cultivation - <i>Spirulina</i> , <i>Dunaliella</i> , <i>Hematococcus</i> and <i>Botryococcus</i> .
2020023460002	ARUL KAVITHA V	3.1. Nutrition, Growth and Reproduction of Bacteria 3.2. Origin and History, Botanical description, Cultivation, Processing and uses of Medicinal Plants: Goggul, Basil, Saraca and Neem. 3.3. Single cell protein – bioactive compounds, industrial enzymes, biofuel and other bioproducts from algae.
2020023460003	ANBU KIRAN SINGH S	3.1. Classification of viruses 3.2. Origin and History, Botanical description, Harvesting, Extraction and uses of Fatty oils and Vegetable Fats: Sun flower, Soya bean, Peanut. 3.3. Azolla – Mass cultivation of blue green algae in field -Importance and selection of carrier materials – Immobilization technique
2020023460004	SUBASRI K	3.1. Ultrastructure and Characteristics of Viruses 3.2. Origin and History, Botanical description, Harvesting, Extraction and uses of Fatty oils and Vegetable Fats: Palm Oil, Coconut and Gingelly. 3.3. Mass cultivation of macro algae: rope cultivation – culturing in the laboratory – Applications of seaweeds in biotechnology.
2020023460005	MEENA S	3.1. Microbial Products 3.2. Origin and History, Botanical description, Harvesting and uses of Fibers: Cotton, Jute, Sun hemp. 3.3. Pure Culture Techniques for Mushroom cultivation.
2020023460006	JENIFER SHIRLY T	3.1. Replication and Transmission of Viruses 3.2. Origin and History, Botanical description, and uses of Timber: Teak, Rosewood, Ebony, Sal and Mahogany. 3.3. Mushroom Spawn preparation
2020023460007	ARJUN S	3.1. Defense Mechanisms in Plants 3.2. Phytogeographic zones, Vegetation types of India and Tamilnadu 3.3. Genetics of algae – <i>nif</i> genes – strain improvement – transformation – protoplast fusion technique for macroalgae.
2020023460008	PRAVEENA D	3.1. Control measures of plant diseases 3.2. Biodiversity act of India 2002 and 2004 3.3. Preparation of compost and cultivation of white button mushroom, paddy straw mushroom and oyster mushroom.
2020023460009	GOWRI K	3.1. Etiology , Epidemics and Disease forecasting 3.2. Different types of intellectual property rights (IPR) - Patents, Trade mark, Trade secret and Copy right. 3.3. Factors affecting mushroom cultivation - Insects and pest attacking mushroom – fungal, bacterial, viral diseases.
2020023460010	JAYABHARATHI M	3.1. Plant diseases – Late blight of potato, Leaf spot diseases of groundnut, Anthracnose of mango. 3.2. Wildlife Sanctuaries, National parks and Biosphere Reserves, Hotspot biodiversity areas in India 3.3. Seaweed liquid fertilizers preparation and their potential in agriculture and horticulture.

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2020023460011	RAMYA P	3.1. Classification of microorganisms 3.2. Origin and History ,Botanical description, Cultivation, Processing and uses of Medicinal Plants: Rauvolfia, Aconitum, Jatamansi, Sathavari 3.3. Upstream and downstream processes of algal cultivation - <i>Spirulina, Dunaliella, Hematococcus</i> and <i>Botryococcus</i> .
2020023460012	SARANYA S	3.1. Plant diseases- Tobacco mosaic virus, Bunchy top of banana, Blast and sheath blight of paddy. 3.2. Population biology- Basic concepts –Gause’s principle, survivorship curves – self- regulating mechanisms. 3.3. Types of edible mushroom available in India – Medicinal and other uses
2020023460013	NIVEATHA S	3.1. Classification of microorganisms 3.2. Origin and History ,Botanical description, Cultivation, Processing and uses of Medicinal Plants: Rauvolfia, Aconitum, Jatamansi, Sathavari 3.3. Upstream and downstream processes of algal cultivation - <i>Spirulina, Dunaliella, Hematococcus</i> and <i>Botryococcus</i> .
2020023460014	KAVIYA SHREE S	3.1. Classification of viruses 3.2. Origin and History, Botanical description, Harvesting, Extraction and uses of Fatty oils and Vegetable Fats: Sun flower, Soya bean, Peanut. 3.3. Azolla – Mass cultivation of blue green algae in field -Importance and selection of carrier materials – Immobilization technique
2020023460015	MUTHURAMALINGAM P	3.1. Ultrastructure and Characteristics of Viruses 3.2. Origin and History, Botanical description, Harvesting, Extraction and uses of Fatty oils and Vegetable Fats: Palm Oil, Coconut and Gingelly. 3.3. Mass cultivation of macro algae: rope cultivation – culturing in the laboratory – Applications of seaweeds in biotechnology.
2020023460016	SINDHUJA M	3.1. Microbial Products 3.2. Origin and History, Botanical description, Harvesting and uses of Fibers: Cotton, Jute, Sun hemp. 3.3. Pure Culture Techniques for Mushroom cultivation.

**Last Date for Submission of Assignments: 10<sup>th</sup> November, 2021 10:00 a.m.**

**Hard Copies of the Assignments should reach the following address on or before the Last Date mentioned above:**

**Dr. M. JOTHI BASU**  
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**Assistant Professor in Botany**  
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