Roll No.	Name	Assignment Titles
		4.1.a. Plant genome organization: Nucleus, Chloroplast and Mitochondria.
		4.1.b. Structural features of a typical plant gene.
		4.2. Non probability sampling techniques and random sampling techniques.
2021023460001	Sabitha Valandina G	4.3. Water irrigation; advanced irrigation system such as drip, microtube and sprinkler systems.
		4.1.a. Molecular markers – STS, Microsatellites, RAPD, SCAR and AFLP.
		4.1.b. Tagging, mapping and cloning of plant genes
		4.2. Measures of central tendency: Mean - median - mode
2021023460002	Karthika P	4.3. Vegetative propagation using stem, leaf and root cuttings
		4.1.a. Mitochondrial genome and Cytoplasmic male sterility
		4.1.b. Regulation of gene expression in plant development
		4.2. Measures of dispersion: Range - mean deviation - standard deviation.
2021023460003	Jansi S R	4.3. Propagation by division and layering, bulbs, corms, tubers and rhizomes-budding and grafting
		4.1.a. Classification and functions of Seed storage proteins.
		4.1.b. Plant hormones and Plant transposons
		4.2. Test of significance: Null hypothesis - alternate hypothesis
		4.3. Indoor gardening: Foliage plants, flowering plants, hanging basket, Bonsai plants - Training
2021023460004	Geetha P	and pruning.
		4.1.a. Molecular Pharming and Transgenic plant derived products for commercial applications
		4.1.b. Golden rice and FlavrSavr®
		4.2. Data base searches - FASTA, BLAST - PSI BLAST
		4.3. Principles and methods of designing outdoor garden - hedges, edges, fences, trees, climbers,
2021023460005	Karthika M	rockeries, arches, terrace garden
		4.1.a. Direct Plant transformation techniques.
		4.1.b. Selectable markers: Types and their role in plant transformation.
		4.2. PHYLODRAW- Phylogenetic tree.
2021023460006	Renuga R	4.3. Production of seeds, their certification, storage and germplasm collection
		4.1.a. Symbiotic nitrogen fixation in legumes by Rhizobia
		4.1.b. Reporter genes: Types and role in optimizing transformation
		4.2. Sequence alignment - sequence similarity searches, amino acid substitution matrices
		4.3. Micropropagation – Introduction, stages and types of explants for commercial propagation,
2021023460007	Vinodhini S	importance and applications of micropropagation

		4.1.a. In-Direct plant transformation technique.
		4.1.b. Plant genetic engineering for herbicide resistance
		4.2. Laws of Thermodynamics and Energy transductions in biological systems.
		4.3. Principles and protocols, protoplast culture and fusion- Importance of protoplast fusion and
2021023460008	Mary Shylaja S	applications
		4.1.a. Symbiotic nitrogen fixation in legumes by Rhizobia
		4.1.b. Reporter genes: Types and role in optimizing transformation.
		4.2. Sequence alignment - sequence similarity searches, amino acid substitution matrices
2021023460009	Ilakkiaselvi K	4.3. Layout for a model college garden
		4.1.a. Direct Plant transformation techniques.
		4.1.b. Selectable markers: Types and their role in plant transformation.
		4.2. Data base searches - FASTA, BLAST - PSI BLAST
2021023460010	Nithya J	4.3. Lawn making and maintenance
		4.1.a. Plant genetic engineering for Virus resistance (Antisense RNA approach, Cross protection
		Satellite RNA, Ribozymes and Coat protein mediated protection).
		4.1.b. Promoters used in plant vectors.
		4.2. Photobiology: Dual nature of light, characteristics of solar radiation, solar energy.
		4.3. Native and synthetic hormones and other growth regulators- their importance in horticulture,
2021023460011	Muthusamy S	gardening and landscaping
		4.1.a. In-Direct plant transformation technique.
		4.1.b. Plant genetic engineering for herbicide resistance
		4.2. Laws of Thermodynamics and Energy transductions in biological systems.
		4.3. Principles and protocols, protoplast culture and fusion- Importance of protoplast fusion and
2021023460012	Sumathi T	applications
		4.1.a. Direct Plant transformation techniques.
		4.1.b. Selectable markers: Types and their role in plant transformation.
		4.2. PHYLODRAW- Phylogenetic tree.
2021023460013	Devika B	4.3. Production of seeds, their certification, storage and germplasm collection
		4.1.a. Symbiotic nitrogen fixation in legumes by Rhizobia
		4.1.b. Reporter genes: Types and role in optimizing transformation.
		4.2. Sequence alignment - sequence similarity searches, amino acid substitution matrices
2021023460014	Uma K	4.3. Layout for a model college garden

		4.1.a. Molecular Pharming and Transgenic plant derived products for commercial applications
		4.1.b. Golden rice and FlavrSavr®
		4.2. Data base searches - FASTA, BLAST - PSI BLAST
		4.3. Principles and methods of designing outdoor garden - hedges, edges, fences, trees, climbers,
2021023460015	Gracy S	rockeries, arches, terrace garden
		4.1.a. Plant genome organization: Nucleus, Chloroplast and Mitochondria.
		4.1.b. Structural features of a typical plant gene.
		4.2. Non probability sampling techniques and random sampling techniques.
2021023460016	Nancy Mary P	4.3. Water irrigation; advanced irrigation system such as drip, microtube and sprinkler systems.
		4.1.a. Plant genome organization: Nucleus, Chloroplast and Mitochondria.
		4.1.b. Structural features of a typical plant gene.
		4.2. Non probability sampling techniques and random sampling techniques.
2021023460017	Kudiyarasi	4.3. Water irrigation; advanced irrigation system such as drip, microtube and sprinkler systems.
		4.1.a. Molecular markers – STS, Microsatellites, RAPD, SCAR and AFLP.
		4.1.b. Tagging, mapping and cloning of plant genes
		4.2. Measures of central tendency: Mean - median - mode
2021023460018	Raju N	4.3. Vegetative propagation using stem, leaf and root cuttings
		4.1.a. Mitochondrial genome and Cytoplasmic male sterility
		4.1.b. Regulation of gene expression in plant development
		4.2. Measures of dispersion: Range - mean deviation - standard deviation.
2021023460019	Hepsiba Celestina J	4.3. Propagation by division and layering, bulbs, corms, tubers and rhizomes-budding and grafting
		4.1.a. Classification and functions of Seed storage proteins.
		4.1.b. Plant hormones and Plant transposons
		4.2. Test of significance: Null hypothesis - alternate hypothesis
		4.3. Indoor gardening: Foliage plants, flowering plants, hanging basket, Bonsai plants - Training
		and pruning.
2021023460020	Surya Praba D	
		4.1.a. Direct Plant transformation techniques.
		4.1.b. Selectable markers: Types and their role in plant transformation.
		4.2. PHYLODRAW- Phylogenetic tree.
		4.3. Production of seeds, their certification, storage and germplasm collection
2021023460021	Thangammal R	

		4.1.a. Symbiotic nitrogen fixation in legumes by Rhizobia
		4.1.b. Reporter genes: Types and role in optimizing transformation.
		4.2. Sequence alignment - sequence similarity searches, amino acid substitution matrices
2021023460022	Praveena D	4.3. Layout for a model college garden
		4.1.a. Molecular Pharming and Transgenic plant derived products for commercial applications
		4.1.b. Golden rice and FlavrSavr®
		4.2. Data base searches - FASTA, BLAST - PSI BLAST
		4.3. Principles and methods of designing outdoor garden - hedges, edges, fences, trees, climbers,
2021023460023	Navaneetham A	rockeries, arches, terrace garden
		4.1.a. Plant genome organization: Nucleus, Chloroplast and Mitochondria.
		4.1.b. Structural features of a typical plant gene.
		4.2. Non probability sampling techniques and random sampling techniques.
2021023460024	Sudhagaran G.K.	4.3. Water irrigation; advanced irrigation system such as drip, microtube and sprinkler systems.

Last Date for Submission of Assignments: 28th March, 2023 10:00 a.m.

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

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