

**KUMARI VIDYAVATI ANAND D.A.V. COLLEGE FOR WOMEN,  
KARNAL**

**Lesson Plan for the Even Semester  
(January to May, 2026)**

**Name of the Teacher– Dr. Nadia Chowhan**  
**Class – B.Sc. III Life Sciences (Aided and SFS)**  
**Subject– Botany**  
**Paper– Plant Anatomy and Embryology**

<b>3<sup>rd</sup> Week</b> <b>12 Jan–14 Jan</b>	Introduction, Objective and Scope of Plant Anatomy; Tissue and Tissue System: Definitions; Structure and Functions of Meristematic and Simple Permanent Tissues
<b>18 Jan, 2026</b>	<b>Sunday</b>
<b>4<sup>th</sup> Week</b> <b>19 Jan–21 Jan</b>	Tissue and Tissue System: Definitions; Structure and Functions of Complex Permanent Tissues Introduction to Plant Secretory Tissues Epidermal Tissue System
<b>23 Jan, 2026</b> <b>25 Jan, 2026</b> <b>26 Jan, 2026</b>	<b>Sir Chhotu Ram Jayanti/ Basant Panchmi</b> <b>Sunday</b> <b>Republic Day</b>
<b>5<sup>th</sup> Week</b> <b>27Jan–28 Jan</b>	Ground and Vascular tissue Systems Cambium- Structure and Functions

<b>February, 2026</b> <b>1<sup>st</sup> Week</b> <b>1 Feb, 2026</b>	<b>Guru Ravidas Jayanti, Sunday</b>
<b>2 Feb– 4 Feb</b>	The Shoot System – Structure of Shoot Apex, Theories of Histological Organization of Shoot Apex Structure of Monocot and Dicot Stem; Secondary Growth in Dicot Stem Anomalous Secondary Growth ( <i>Dracaena</i> , <i>Boerhaavia</i> and <i>Mirabilis</i> )
<b>8 Feb, 2026</b>	<b>Sunday</b>
<b>2<sup>nd</sup> Week</b> <b>9 Feb-11 Feb</b>	Leaf: Types of Leaves (Simple and Compound); Phyllotaxy; Anatomy of Dicot and Monocot Leaf, Kranz Anatomy; Leaf Abscission Root System: Organization of Root Apex; Theories of its Histological Organization; Quiescent Centre
<b>15 Feb, 2026</b>	<b>Maha Shivratri, Sunday</b>
<b>3<sup>rd</sup> Week</b> <b>16 Feb-18 Feb</b>	Structure of Monocot and Dicot Root; Secondary Growth in Dicot root Structural Modifications in Respiratory ( <i>Rhizophora</i> ), Storage ( <i>Beta vulgaris</i> ) and Epiphytic ( <i>Vanda</i> ) roots Quick Revision of Topics Studied till Now
<b>22Feb,2026</b>	<b>Sunday</b>
<b>4<sup>th</sup> Week</b> <b>23 Feb-25 Feb</b>	History and Scope of Plant Embryology Flower- a modified shoot; Functions of Various Floral parts Microsporangium, its wall and Dehiscence Mechanism Microsporogenesis, Pollen Grains and its Structure (Pollen Wall)

<b>March, 2026</b> <b>1<sup>st</sup> Week</b> <b>1 March – 8 March</b>	<b>Holi Break</b>
<b>2<sup>nd</sup> Week</b> <b>9 March– 11 March</b>	Brief Account of Palynology and its Scope Pollen Pistil Interaction; Self Incompatibility Pollination (types and agencies); Pollen Germination (Microgametogenesis)
<b>15 March, 2026</b>	<b>Sunday</b>
<b>3<sup>rd</sup> Week</b> <b>16 March–18 March</b>	Male Gametophyte of Nutraceuticals: Sources and Uses of Health Foods; Chamomile, Corn Oil, Fenugreek, Feverfew, Garlic, Ginseng, Ginkgo, Honey, <i>etc.</i> Structure of Megasporangium (Ovule), its Curvatures; Megasporogenesis and Megagametogenesis
<b>21 March, 2026</b> <b>22 March, 2026</b> <b>23 March, 2026</b>	<b>Id-ul-Fitr</b> <b>Sunday</b> <b>Shaheedi Diwas / Martyrdom Day of Bhagat Singh/Rajguru &amp; Sukhdev</b>
<b>4<sup>th</sup> Week</b> <b>24 March–25 March</b>	Female Gametophyte (Mono-, Bi- and Tetrasporic) Double Fertilization Endosperm- Types and Biological Importance
<b>26 March, 2026</b> <b>29 March, 2026</b>	<b>Ram Navami</b> <b>Sunday</b>
<b>5<sup>th</sup> Week</b> <b>30 March</b>	Embryogenesis in Dicot and Monocot; Polyembryony; Apomixis
<b>31 March, 2026</b>	<b>Mahavir Jayanti</b>

<b>April, 2026 1<sup>st</sup> Week</b> <b>1 April</b>	Structure of Dicot and Monocot Seed
<b>5 April, 2026</b>	<b>Sunday</b>
<b>2<sup>nd</sup> Week</b> <b>6 April-11April</b>	<b>Sessional Exams</b>
<b>12 April, 2026</b>	<b>Sunday</b>
<b>3<sup>rd</sup> Week</b> <b>13 April-15April</b>	Fruit Types (Broad Classification of fruits) and Detailed Study of Dry Fruits: Dehiscent, Indehiscent and Schizocarps; Fleshy Fruits; Aggregate Fruits; Composite Fruits
<b>14April, 2026</b> <b>19April, 2026</b>	<b>Dr. B. R. Ambedkar Jayanti/Vaisakhi</b> <b>Parshuram Jayanti /Akshay Tritiya, Sunday</b>
<b>4<sup>th</sup> Week</b> <b>20April - 22April</b>	Experimental and Applied Embryology: Introduction to Embryo Culture and Anther Culture
<b>26April, 2026</b>	<b>Sunday</b>
<b>5<sup>th</sup> Week</b> <b>27April - 29 April</b>	Revision of Syllabus/ Practice of Important Diagrams/ Class Test
<b>3 May, 2026</b>	<b>Sunday</b>
<b>2<sup>nd</sup> Week</b> <b>4 May-5 May</b>	Revision of Syllabus/ Practice of Important Diagrams/ Class Test
<b>6 May, 2026</b> <b>Onwards</b>	<b>University Examinations</b>

**KUMARI VIDYAVATI ANAND D.A.V. COLLEGE FOR WOMEN,  
KARNAL**

**Lesson Plan for the Even Semester  
(January to May, 2026)**

**Name of the Teacher– Dr. Nadia Chowhan & Ms.**

**Rupali**

**Class – B. Sc. I Life-sciences (SFS) Sem II**

**Subject– SEC**

**Paper– Food Waste and By-Product Utilization**

<b>3<sup>rd</sup> Week 12 Jan–13 Jan</b>	Introduction to Food Waste: Definition and Types (Pre-Consumer and Post-Consumer); Food Waste Management and Reduction
<b>18 Jan, 2026</b>	<b>Sunday</b>
<b>4<sup>th</sup> Week 19 Jan–20 Jan</b>	Environmental, Economic and Social Impact of Food Waste Food Waste Throughout the Supply Chain
<b>23 Jan, 2026 25 Jan, 2026 26 Jan, 2026</b>	<b>Sir Chhotu Ram Jayanti/ Basant Panchmi Sunday Republic Day</b>
<b>5<sup>th</sup> Week 27Jan</b>	Brief Account of Food Waste Management: Source Reduction Strategies

February,2026 1 <sup>st</sup> Week 1 Feb, 2026	<b>Guru Ravidas Jayanti, Sunday</b>
2 Feb– 3 Feb	Factors Contributing to Food Waste Post-Harvest Losses and Storage Challenges
8 Feb, 2026	<b>Sunday</b>
2 <sup>nd</sup> Week 9 Feb-10 Feb	Retail and Consumer-Related Food Waste; Food Waste in Food Services Establishments and Restaurants
15 Feb, 2026	<b>Maha Shivratri, Sunday</b>
3 <sup>rd</sup> Week 16 Feb-17 Feb	Detailed Account of Food Waste Management and Reduction: Food Donation and Redistribution Programs Composting and Anaerobic Digestion Innovative technologies for food waste reduction
22 Feb, 2026	<b>Sunday</b>
4 <sup>th</sup> Week 23 Feb-24 Feb	Over-view of By-Product Utilization Class test

<b>March, 2026</b> <b>1<sup>st</sup> Week</b> <b>1 March – 8 March</b>	<b>Holi Break</b>
<b>2<sup>nd</sup> Week</b> <b>9 March– 10 March</b>	Extraction of Bioactive Compounds from Food Waste Conversion of Food Waste into Biofuels and Energy
<b>15 March, 2026</b>	<b>Sunday</b>
<b>3<sup>rd</sup> Week</b> <b>16 March–17 March</b>	Class test Recovery of Value-Added Materials form Food Waste Application of Food waste By-Products; Food Industry Applications ( <i>e.g.</i> food additives, functional ingredients)
<b>21 March, 2026</b> <b>22 March, 2026</b> <b>23 March, 2026</b>	<b>Id-ul-Fitr</b> <b>Sunday</b> <b>Shaheedi Diwas / Martyrdom Day of Bhagat Singh/ Rajguru &amp; Sukhdev</b>
<b>4<sup>th</sup> Week</b> <b>24 March</b>	Animal Feed and Pet Food Production; Fertilizer and Soil Amendment Production
<b>26 March, 2026</b> <b>29 March, 2026</b>	<b>Ram Navami</b> <b>Sunday</b>
<b>5<sup>th</sup> Week</b> <b>30 March</b>	Recovery of Value-Added Materials from Food Waste
<b>31 March, 2026</b>	<b>Mahavir Jayanti</b>

<b>5 April, 2026</b>	<b>Sunday</b>
<b>2<sup>nd</sup> Week 6 April-11 April</b>	<b>Sessional Exams</b>
<b>12 April, 2026</b>	<b>Sunday</b>
<b>3<sup>rd</sup> Week 13 April</b>	Waste-to-Packaging Concepts in Detail
<b>14 April, 2026 19 April, 2026</b>	<b>Dr. B. R. Ambedkar Jayanti/Vaisakhi Parshuram Jayanti /Akshay Tritiya, Sunday</b>
<b>4<sup>th</sup> Week 20April - 21 April</b>	Policy Frameworks and Regulations
<b>26 April, 2026</b>	<b>Sunday</b>
<b>5<sup>th</sup> Week 27 April - 28 April</b>	Revision of Syllabus

<b>3 May,2026</b>	<b>Sunday</b>
<b>2<sup>nd</sup> Week 4 May-5 May</b>	Test and Revision of Important Topics
<b>6 May, 2026 Onwards</b>	<b>University Examinations</b>

**KUMARIVIDYAVATI ANANDD.A. V. COLLEGE FOR WOMEN,  
KARNAL**

**Lesson Plan for the Even Semester  
(January to May, 2026)**

**Name of the Teacher**– Dr. Seema Sharma

**Class** – B.Sc. II life Science IV Semester

**Subject**– Botany

**Paper**– Cytology and Genetics

<b>3<sup>rd</sup> Week</b> <b>12 Jan–14 Jan</b>	Orientation  Introduction of Syllabus
<b>18 Jan, 2026</b>	<b>Sunday</b>
<b>4<sup>th</sup> Week</b> <b>19 Jan–21 Jan</b>	Cell as a unit of life; cell theory Prokaryotic and eukaryotic cells; Eukaryotic cell components: Structure and functions of cell wall and Plasma membrane
<b>23 Jan, 2026</b> <b>25 Jan, 2026</b> <b>26 Jan, 2026</b>	<b>Sir Chhotu Ram Jayanti/ Basant Panchmi</b> <b>Sunday</b> <b>Republic Day</b>
<b>5<sup>th</sup> Week</b> <b>27 Jan–28 Jan</b>	Nucleus: nuclear envelope- structure of nuclear pore complex, Nucleolus  Golgi Complex and Ribosomes

February, 2026 1 <sup>st</sup> Week 1 Feb, 2026	<b>Guru Ravidas Jayanti, Sunday</b>
2 Feb– 4 Feb	Endoplasmic Reticulum, Chloroplast and Mitochondria
8 Feb, 2026	<b>Sunday</b>
2 <sup>nd</sup> Week 9 Feb-11 Feb	Lysosomes, Peroxisomes and Vacoules Cell division: Mitosis and Meiosis
15 Feb, 2026	<b>Maha Shivratri, Sunday</b>
3 <sup>rd</sup> Week 16 Feb-18 Feb	Chromosomes: structural organization, Ultra-structure of centromere and telomere  Class test
22Feb, 2026	<b>Sunday</b>
4 <sup>th</sup> Week 23 Feb-25 Feb	Lampbrush chromosomes and polytene chromosomes DNA: Structure, Types and replication

<b>March, 2026</b> <b>1<sup>st</sup> Week</b> <b>1 March – 8 March</b>	<b>Holi Break</b>
<b>2<sup>nd</sup> Week</b> <b>9 March– 11 March</b>	RNA: Structure, and Types Genetic code, Mendel Laws of inheritance
<b>15 March, 2026</b>	<b>Sunday</b>
<b>3<sup>rd</sup> Week</b> <b>16 March–18 March</b>	Multiple alleles, pleiotropism Chi-square test and Pedigree analysis
<b>21 March, 2026</b> <b>22 March, 2026</b> <b>23 March, 2026</b>	<b>Id-ul-Fitr</b> <b>Sunday</b> <b>Shaheedi Diwas / Martyrdom Day of Bhagat Singh/ Rajguru &amp; Sukhdev</b>
<b>4<sup>th</sup> Week</b> <b>24 March–25 March</b>	Cytoplasmic inheritance; Kappa particles in Paramecium, Leaf variegation in <i>Mirabilis jalapa</i> , Shell coiling
<b>26 March, 2026</b> <b>29 March, 2026</b>	<b>Ram Navami</b> <b>Sunday</b>
<b>5<sup>th</sup> Week</b> <b>30 March</b>	Complete and incomplete linkage,
<b>31 March, 2026</b>	<b>Mahavir Jayanti</b>

April, 2026 1 <sup>st</sup> Week 1 April	Recombination frequency and crossing over
5 April, 2026	<b>Sunday</b>
2 <sup>nd</sup> Week 6 April-11 April	<b>Sessional Exams</b>
12 April, 2026	<b>Sunday</b>
3 <sup>rd</sup> Week 13 April-15 April	Chromosomal aberrations, deletions, duplicatons, inversions, translocations
14 April, 2026 19 April, 2026	<b>Dr. B. R. Ambedkar Jayanti/ Vaisakhi Parshuram Jayanti /Akshay Tritiya, Sunday</b>
4 <sup>th</sup> Week 20 April – 22 April	Variation in chromosome number: aneuploidy, polyploidy
26 April, 2026	<b>Sunday</b>
5 <sup>th</sup> Week 27 April - 29 April	Sex chromosomes, sex-determination, types of mutation Effect of physical and chemical mutagens
3 May, 2026	<b>Sunday</b>
2 <sup>nd</sup> Week 4 May-5 May	Revision and test
6 May, 2026 Onwards	<b>University Examinations</b>

**KUMARI VIDYAVATI ANAND D. A. V. COLLEGE FOR WOMEN,  
KARNAL**

**Lesson Plan for the Even Semester  
(January to May, 2026)**

**Name of the Teacher**– Dr. Seema Sharma

**Class** – BSc. II Life Science (Aided)

**Subject**– VOC

**Paper**– Floriculture

<b>3<sup>rd</sup> Week</b> <b>15 Jan–16 Jan</b>	Introduction of course and syllabus.
<b>18 Jan, 2026</b>	<b>Sunday</b>
<b>4<sup>th</sup> Week</b> <b>22 Jan</b>	History, importance and scope of floriculture and landscape gardening.
<b>23 Jan, 2026</b> <b>25 Jan, 2026</b> <b>26 Jan, 2026</b>	<b>Sir Chottu Ram Jayanti/ Basant Panchmi</b> <b>Sunday</b> <b>Republic Day</b>
<b>5<sup>th</sup> Week</b> <b>29Jan–30 Jan</b>	Nursery management and routine garden operations: Sexual and vegetative methods of propagation  Soil sterilization; Seed sowing; Pricking
<b>February, 2026</b> <b>1<sup>st</sup> Week</b> <b>1Feb, 2026</b>	<b>Guru Ravidas Jayanti, Sunday</b>

5 Feb– 6 Feb	Planting and transplanting; Shading; Stopping or pinching; Defoliation; Wintering; Mulching; Topiary. Role of plant growth regulators
8 Feb, 2026	<b>Sunday</b>
2 <sup>nd</sup> Week 12 Feb-13 Feb	Ornamental Plants: Flowering annuals; Herbaceous perennials; Divine vines Shade and ornamental trees; Ornamental bulbous and foliage plants Cacti and succulents; Palms and Cycads; Ferns and Selaginellas.
15 Feb, 2026	<b>Maha Shivratri, Sunday</b>
3 <sup>rd</sup> Week 19 Feb-20 Feb	Cultivation of plants in pots; Indoor gardening; Bonsai. Principles of Garden Designs: English, Italian, French, Persian, Mughal and Japanese gardens
22 Feb, 2026	<b>Sunday</b>
4 <sup>th</sup> Week 26 Feb-27 Feb	Features of a garden- garden wall, fencing, steps, hedge, edging, lawn, flower beds, shrubbery, borders, water garden.
March, 2026 1 <sup>st</sup> Week 1 March – 8 March	<b>Holi Break</b>

<b>2<sup>nd</sup> Week</b> <b>12 March– 13 March</b>	Some famous gardens of India. Landscaping of places of public importance: Landscaping highways
<b>15 March, 2026</b>	<b>Sunday</b>
<b>3<sup>rd</sup> Week</b> <b>19 March–20 March</b>	Landscaping of places of public importance: Landscaping educational institutions  Class Test
<b>21 March, 2026</b> <b>22 March, 2026</b> <b>23 March, 2026</b>	<b>Id-ul-Fitr</b> <b>Sunday</b> <b>Shaheedi Diwas / Martyrdom Day of Bhagat Singh/Rajguru &amp; Sukhdev</b>
<b>4<sup>th</sup> Week</b> <b>27 March</b>	Commercial floriculture: Factors affecting flower production.
<b>26 March, 2026</b> <b>29 March, 2026</b>	<b>Ram Navami</b> <b>Sunday</b>
<b>31 March, 2026</b>	<b>Mahavir Jayanti</b>
<b>April, 2026</b> <b>1<sup>st</sup> Week</b> <b>2 April-3 April</b>	Production and packaging of cut flowers Flower arrangements; Methods to prolong vase life.

<b>5 April, 2026</b>	<b>Sunday</b>
<b>2<sup>nd</sup> Week 6 April-11 April</b>	<b>Sessional Exams</b>
<b>12 April, 2026</b>	<b>Sunday</b>
<b>3<sup>rd</sup> Week 16 April-17 April</b>	Cultivation of Important cut flowers-Carnation, Aster, Chrysanthemum, Dahlia, Gerbera, Gladiolus, Marigold, Rose, Lilium.
<b>14 April, 2026 19 April, 2026</b>	<b>Dr. B. R. Ambedkar Jayanti/ Vaisakhi Parshuram Jayanti /Akshay Tritiya, Sunday</b>
<b>4<sup>th</sup> Week 23 April - 24 April</b>	Diseases and Pests of Ornamental Plants.
<b>26 April, 2026</b>	<b>Sunday</b>
<b>5<sup>th</sup> Week 30 April</b>	Revision and test
<b>May, 2026 1<sup>st</sup> Week 1 May 2026</b>	Revision and test
<b>3 May, 2026</b>	<b>Sunday</b>
<b>6 May, 2026 Onwards</b>	<b>University Examinations</b>

**KUMARI VIDYAVATI ANAND D.A.V. COLLEGE FOR WOMEN,  
KARNAL**

**Lesson Plan for the Even Semester  
(January to May, 2026)**

**Name of the Teacher**– Dr. Seema Sharma & Ms.

Rupali

**Class** –B. Sc. I Life Science (Aided & SFS)

**Subject**– VAC

**Paper**– Human Value and Ethics

3 <sup>rd</sup> Week 15Jan–16 Jan	Meaning and nature of human values, Significance of human values in life. Understanding the need, content and process for value education.
18 Jan,2026	<b>Sunday</b>
4 <sup>th</sup> Week 22Jan	Classification of Value Education: understanding Personal values, social values.
23 Jan, 2026 25 Jan, 2026 26 Jan, 2026	<b>Sir Chottu Ram Jayanti/ Basant Panchmi</b> <b>Sunday</b> <b>Republic Day</b>
5 <sup>th</sup> Week 29Jan–30 Jan	Relation between values and ethics, Relevance of Human values: Integrity Empathy, Loksangrah, Brahmvihara. Moral Values & Spiritual Values; understanding the difference between ideology and values.
February, 2026 1 <sup>st</sup> Week 1Feb, 2026	<b>Guru Ravidas Jayanti,</b> <b>Sunday</b>

<b>5Feb– 6Feb</b>	Theory of Naya (Jainism), Deontology, Virtue Ethics, Utilitarianism. Understanding harmony with self, society and nature.
<b>8Feb, 2026</b>	<b>Sunday</b>
<b>2<sup>nd</sup>Week 12Feb-13Feb</b>	Understanding the relationship among: Self, Identity and Personality. Nature, characteristics and scope of professional ethics; types of professional ethics.
<b>15 Feb, 2026</b>	<b>Maha Shivratri, Sunday</b>
<b>3<sup>rd</sup> Week 19Feb-20 Feb</b>	Understanding integrated personality- with the three gunas theory of Sankhya. Professional values: Trusteeship, Inclusiveness, Commitment, Sustainability.
<b>22 Feb, 2026</b>	<b>Sunday</b>
<b>4<sup>th</sup> Week 26 Feb-27 Feb</b>	The four Antah-karanas (inner instruments) in Yoga. Professional Values: Accountability, Transparency and Impartiality.
<b>March, 2026 1<sup>st</sup> Week 1March – 8 March</b>	<b>Holi Break</b>

2 <sup>nd</sup> Week 12 March– 13 March	Panchkosha (five sheaths) in Upanishad. Values for global citizenship: Equality, Justice and Human Dignity.
15 March, 2026	<b>Sunday</b>
3 <sup>rd</sup> Week 19 March–20 March	Class Test. Nature and need of Competency based education.
21 March, 2026 22 March, 2026 23 March, 2026	<b>Id-ul-Fitr</b> <b>Sunday</b> <b>Shaheedi Diwas / Martyrdom Day of Bhagat Singh/ Rajguru &amp; Sukhdev</b>
4 <sup>th</sup> Week 27 March	Approaching comprehensive understanding of well-being and its relation to Happiness. Types of Competency
26 March, 2026 29 March, 2026	<b>Ram Navami</b> <b>Sunday</b>
31 March, 2026	<b>Mahavir Jayanti</b>
April, 2026 1 <sup>st</sup> Week 2 April- 3 April	Class test Core Competency: communication, teamwork, planning and achieving goals.

<b>5 April,2026</b>	<b>Sunday</b>
<b>2<sup>nd</sup> Week 6 April- 11April</b>	<b>Sessional Exams</b>
<b>12 April, 2026</b>	<b>Sunday</b>
<b>3<sup>rd</sup> Week 16 April-17April</b>	Functional competency: analytical thinking, knowledge sharing and learning, decision making, partnership building.
<b>14 April, 2026 19 April, 2026</b>	<b>Dr. B. R. Ambedkar Jayanti/Vaisakhi Parshuram Jayanti /Akshay Tritiya, Sunday</b>
<b>4<sup>th</sup>Week 23April - 24 April</b>	Important topics revision
<b>26April,2026</b>	<b>Sunday</b>
<b>5<sup>th</sup>Week 30 April</b>	Class test
<b>May,2026 1<sup>st</sup> Week 1May 2026</b>	Revision
<b>3May,2026</b>	<b>Sunday</b>
<b>6 May, 2026 Onwards</b>	<b>University Examinations</b>

**KUMARI VIDYAVATI ANAND D.A.V. COLLEGE FOR WOMEN,  
KARNAL**

**Lesson Plan for the Even Semester  
(January to May, 2026)**

**Name of the Teacher–Ms. Rupali**  
**Class – B. Sc. I Life-Sciences (Aided and SFS)**  
**Subject– Botany**  
**Paper– Plant Taxonomy and Ecology**

<b>3<sup>rd</sup>Week</b> <b>12 Jan–14 Jan</b>	Orientation and Book Recommendations.
<b>18 Jan,2026</b>	<b>Sunday</b>
<b>4<sup>th</sup> Week</b> <b>19Jan–21 Jan</b>	Flowers and parts of flower.
<b>23 Jan,2026</b> <b>25 Jan,2026</b> <b>26 Jan, 2026</b>	<b>Sir Chhotu Ram Jayanti/ Basant Panchmi</b> <b>Sunday</b> <b>Republic Day</b>
<b>5<sup>th</sup>Week</b> <b>27 Jan- 28 Jan</b>	Types of Inflorescence

February,2026 1 <sup>st</sup> Week 1 Feb, 2026	<b>Guru Ravidas Jayanti, Sunday</b>
2 Feb– 4 Feb	Botanical nomenclature and major rules of ICBN and ICN, Keys to identification of plants.
8Feb, 2026	<b>Sunday</b>
2 <sup>nd</sup> Week 9 Feb-11 Feb	General introduction and importance of herbaria and botanical gardens, Documentation of floristic diversity; Brief idea about Floras, Monographs and Journals.
15 Feb, 2026	<b>Maha Shivratri, Sunday</b>
3 <sup>rd</sup> Week 16 Feb-18 Feb	Brief idea of Taxonomic evidences, Bentham and Hooker system of Classification (up to series), Angiosperm Phylogeny Group- General account.
22Feb,2026	<b>Sunday</b>
4 <sup>th</sup> Week 23 Feb-25 Feb	Diagnostic features and Economic importance of families – Ranunculaceae, Brassicaceae, Malvaceae, Euphorbiaceae.

<b>March, 2026</b> <b>1<sup>st</sup> Week</b> <b>1 March – 8 March</b>	<b>Holi Break</b>
<b>2<sup>nd</sup> Week</b> <b>9 March– 11 March</b>	Diagnostic features and Economic importance of families – Rutaceae, Leguminosae, Apocynaceae, Lamiaceae.
<b>15 March, 2026</b>	<b>Sunday</b>
<b>3<sup>rd</sup> Week</b> <b>16 March–18 March</b>	Diagnostic features and Economic importance of families – Solanaceae, Asteraceae, Poaceae and Orchidaceae.
<b>21 March, 2026</b> <b>22 March, 2026</b> <b>23 March, 2026</b>	<b>Id-ul-Fitr</b> <b>Sunday</b> <b>Shaheedi Diwas / Martyrdom Day of Bhagat Singh/ Rajguru &amp; Sukhdev</b>
<b>4<sup>th</sup> Week</b> <b>24 March- 25 March</b>	Define Ecology, its scope and importance; Levels of organization.  Environmental factors- climatic factor, edaphic factor, topographic and biotic factors.
<b>26 March, 2026</b> <b>29 March, 2026</b>	<b>Ram Navami</b> <b>Sunday</b>
<b>5<sup>th</sup> Week</b> <b>30 March</b>	Population Ecology; Basic concept, characteristics, biotic potential, growth curves, ecotypes and ecads.
<b>31 March, 2026</b>	<b>Mahavir Jayanti</b>

<b>1<sup>st</sup> April</b>	Community Ecology; concepts, characteristics, methods of analysis and ecological succession.
<b>5 April, 2026</b>	<b>Sunday</b>
<b>2<sup>nd</sup> Week 6 April-11 April</b>	<b>Sessional Exams</b>
<b>12 April, 2026</b>	<b>Sunday</b>
<b>3<sup>rd</sup> Week 13 April and 15 April</b>	Ecosystem; structure and function (trophic level, food chain, food web, ecological pyramids and energy flow) Phyto-geography; Phyto-geographical regions of India, vegetative types of India (forests).
<b>14 April, 2026 19 April, 2026</b>	<b>Dr. B. R. Ambedkar Jayanti/ Vaisakhi Parshuram Jayanti /Akshay Tritiya, Sunday</b>
<b>4<sup>th</sup> Week 20 April - 22 April</b>	Biodiversity; levels, types, significance, threats and conservation. Global Change; Greenhouse effect and greenhouse gases, impact of global warming, carbon trading.
<b>26 April, 2026</b>	<b>Sunday</b>
<b>5<sup>th</sup> Week 27 April - 29 April</b>	Environmental Pollution; Sources, types and control of air and water pollution.

<b>3 May, 2026</b>	<b>Sunday</b>
<b>2<sup>nd</sup> Week 4 May-5 May</b>	Revision of Important Topic
<b>6 May, 2026 Onwards</b>	<b>University Examinations</b>

**KUMARI VIDYAVATI ANAND D.A.V. COLLEGE FOR WOMEN,  
KARNAL**

**Lesson Plan for the Even Semester  
(January to May, 2026)**

**Name of the Teacher–Ms. Rupali**

**Class -B. A. I**

**Subject–MDC Botany**

**Paper–Economic Botany**

<b>3<sup>rd</sup> Week 12 Jan–13 Jan</b>	Orientation and Book Recommendations.
<b>18 Jan, 2026</b>	<b>Sunday</b>
<b>4<sup>th</sup> Week 19 Jan–20 Jan</b>	Introduction to Economic Botany, Origin of Cultivated Plants.
<b>23 Jan, 2026 25 Jan, 2026 26 Jan, 2026</b>	<b>Sir Chhotu Ram Jayanti/ Basant Panchmi Sunday Republic Day</b>
<b>5<sup>th</sup> Week 27 Jan</b>	Introduction to Cereals, Morphology and Economic Importance of Food plants – Wheat.

February, 2026 1 <sup>st</sup> Week 1 Feb, 2026	<b>Guru Ravidas Jayanti, Sunday</b>
2 Feb– 3 Feb	Morphology and economic importance of Food Plants – Rice and Maize.
8 Feb, 2026	<b>Sunday</b>
2 <sup>nd</sup> Week 9Feb-10Feb	Introduction to Pulses, Morphology and economic importance of Gram and Arhar.
15 Feb, 2026	<b>Maha Shivratri, Sunday</b>
3 <sup>rd</sup> Week 16 Feb-17 Feb	Morphology and economic importance of pulse- Pea, Introduction to Vegetables, morphology and economic importance of Potato.
22Feb,2026	<b>Sunday</b>
4 <sup>th</sup> Week 23 Feb-24 Feb	Morphology and economic importance of- Tomato and Onion, Morphology and economic Importance of Fibers- Cotton.

March, 2026 1 <sup>st</sup> Week 1 March – 8 March	<b>Holi Break</b>
2 <sup>nd</sup> Week 9 March– 10 March	Morphology and economic importance of Oils – Mustard and Coconut, Morphology and economic importance of Spices – Black pepper and Coriander
15 March, 2026	<b>Sunday</b>
3 <sup>rd</sup> Week 16 March–17 March	Morphological and economic importance of Spices- Ginger, Cloves and Saffron. Morphology and economic importance of Medicinal plants- <i>Cinchona</i> and <i>Atropa</i> .
21 March, 2026 22 March, 2026 23 March, 2026	<b>Id-ul-Fitr</b> <b>Sunday</b> <b>Shaheedi Diwas / Martyrdom Day of Bhagat Singh/ Rajguru &amp; Sukhdev</b>
4 <sup>th</sup> Week 24 March	Morphological and economic importance of Medicinal plants- <i>Opium</i> , <i>Cannabis</i> and <i>Neem</i> .
26 March, 2026 29 March, 2026	<b>Ram Navami</b> <b>Sunday</b>
5 <sup>th</sup> Week 30 March	Botanical description and processing of Beverages- Tea
31 March, 2026	<b>Mahavir Jayanti</b>

<b>5 April, 2026</b>	<b>Sunday</b>
<b>2<sup>nd</sup> Week 6 April-11 April</b>	<b>Sessional Exams</b>
<b>12 April, 2026</b>	<b>Sunday</b>
<b>3<sup>rd</sup> Week 13 April</b>	Botanical description and processing of Beverages- Coffee
<b>14 April, 2026 19 April, 2026</b>	<b>Dr. B. R. Ambedkar Jayanti/ Vaisakhi Parshuram Jayanti /Akshay Tritiya, Sunday</b>
<b>4<sup>th</sup> Week 20 April - 21 April</b>	Types of Wood- Teak, Sal and Shisham
<b>26 April, 2026</b>	<b>Sunday</b>
<b>5<sup>th</sup> Week 27 April - 28 April</b>	Revision of Syllabus

<b>3 May, 2026</b>	<b>Sunday</b>
<b>2<sup>nd</sup> Week 4 May-5 May</b>	Test and Revision of Important Topic
<b>6 May, 2026 Onwards</b>	<b>University Examinations</b>