

GDC Memorial College, Bahal (Bhiwani)

NAAC Accredited Grade "B" (Second Cycle) and Recognized under
Affiliated to Ch. Bansi Lal University, Bhiwani

Lesson Plan- Jan-April, 2026

Name - Dr. Poonam Kumari

Department - Botany

Class - B.Sc. (Life Sciences)

Subject - Plant Syatematics and Embryology

Semester - 4th

Subject Code- 24UN-BOT-401

Week-1	UNIT-I
27-Jan-26	Botanical Nomenclature
28-Jan-26	Do
29-Jan-26	Herberia, Botanical Garden
30-Jan-26	Do
Week-2	
3-Feb-26	Flora, Monograph, Journals
4-Feb-26	Cytotaxonomy
5-Feb-26	Do
6-Feb-26	Chemotaxonomy
Week-3	
10-Feb-26	Do
11-Feb-26	Numarical Taxonomy
12-Feb-26	Do
13-Feb-26	Test
Week-4	UNIT-II
17-Feb-26	Artificial Classification
18-Feb-26	Natuaral and Phylogenetic Classification
19-Feb-26	Bentham & Hooker System of Classification
20-Feb-26	Do
Week-5	
24-Feb-26	Ranunculaceae
25-Feb-26	Brassicaceae
26-Feb-26	Malvaceae
27-Feb-26	Leguminose
Week-6	
5-Mar-26	Lamiaceae
6-Mar-26	Solanaceae
Week-7	
10-Mar-26	Astraceae
11-Mar-26	Liliaceae
12-Mar-26	Poaceae
13-Mar-26	Test
Week-8	UNIT-III
17-Mar-26	Anther & Pollen Grain
18-Mar-26	Structure and Types of Ovules

19-Mar-26	Types of Embrto Sac
20-Mar-26	Types of Placentation
Week-9	
24-Mar-26	Pollination Mechanisms and Adaptations
25-Mar-26	Do
26-Mar-26	Pollen-Pistil Intraction
27-Mar-26	Do
Week-10	
11-Apr-24	Self Incompatibility
12-Apr-24	Significance of self & Cross Pollination
13-Apr-24	Test
Week-11	UNIT-IV
31-Mar-26	Double Fertilization
1-Apr-26	Seed Structure
2-Apr-26	Do
3-Apr-26	Types of Fruits
Week-12	
7-Apr-26	Do
8-Apr-26	Seed Dispersal Mechanism
9-Apr-26	Do
10-Apr-26	Endosperm
Week-13	
14-Apr-26	Do
15-Apr-26	Dicot & Monocot Embryo
16-Apr-26	Polyembryony
17-Apr-26	Do
Week-14	
21-Apr-26	Seed Germination
22-Apr-26	Do
23-Apr-26	Do
24-Apr-26	Test
Week-15	
28-Apr-26	Revision
29-Apr-26	Revision
30-Apr-26	Revision

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Lesson Plan- Jan-April, 2026

Name - Ms. Anuradha

Department - Zoology

Class - B.Sc. (Med.)

Subject-Biomolecules and Mammalian Physiology

Semester - 4th

Subject Code- 20UZOO601

Week-1	UNIT-I
26-Jan-26	Introd., classification, str., function and general properties of Carbohydrates.
28-Jan-26	Introd., classification, str., function and general properties of Proteins
29-Jan-26	Introd., classification, str., function and general properties of Lipids
30-Feb-26	Do
Week-2	
2-Feb-26	Nomenclature, classification and mechanisms of enzyme action
4-Feb-26	Enzyme kinetics
5-Feb-26	Factors affecting enzyme activity
6-Feb-26	Do
Week-3	
9-Feb-26	Transport through Biomembranes
11-Feb-26	Active and passive transport
12-Feb-26	Osmotic pressure, Hydrogen ion conc. And buffers
13-Feb-26	Do
Week-4	UNIT-II
16-Feb-26	Nutrition: Nutritional components
18-Feb-26	Types of nutrition & feeding
19-Feb-26	Symbiotic digestion
20-Feb-26	Physio-chemical mechanism of Absorption of nutrients
Week-5	
23-Feb-26	Control of secretion of digestive juices
25-Feb-26	Do
26-Feb-26	Muscles: Types of muscles
27-Feb-26	Bio-chemical and physical events during muscle contraction
Week-6	
2-Mar-26	Do
5-Mar-26	Cori's cycle
6-Mar-26	Physical and chemical properties of muscle
Week-7	UNIT-III
9-Mar-26	Circulation: Origin, conduction and regulation of heart beat
11-Mar-26	Cardiac cycle, electrocardiogram, cardiac output
12-Mar-26	Do
13-Mar-26	Open and closed circulatory system
Week-8	
16-Mar-26	Composition & functions of blood & lymph

18-Mar-26	Mechanism of coagulation of blood
19-Mar-26	Do
20-Mar-26	Respiration:Exchange of respiratory gases
Week-9	
23-Mar-26	Transport of gases
25-Mar-26	Oxygen dissociation curve of haemoglobin
26-Mar-26	Bohr's effect, Hamburger's phenomenon, Myoglobin
Week-10	
30-Mar-26	Excretion: Patterns of excretory products
1-Apr-26	Ornithine cycle (Kreb's-Henseleit cycle)
2-Apr-26	Urine formation' composition of urine
3-Apr-26	Counter-current mechanism of urine formation, Osmoregulation
Week-11	UNIT-IV
6-Apr-26	Neural Integration:Nature, origin and propagation of nerve impulse
8-Apr-26	Conduction of nerve impulse across synapse
9-Apr-26	Synaptic delay and Synaptic fatigue
10-Apr-26	Neurotransmitter
Week-12	
13-Apr-26	Chemical Integration of Endocrinology:Str. & nature of peptide
15-Apr-26	Steroid hormone action
16-Apr-26	Physiology of hypothalamus, pituitary, thyroid, pancreas etc.
17-Apr-26	Hormonal disorders
Week-13	
20-Apr-26	Reproduction:Spermatogenesis,
22-Apr-26	Capacitation of spermatozoa, oogenesis, ovulation
23-Apr-26	Oestrous-anoestrous cycle, Menstrual cycle
24-Apr-26	Fertilisation, Parturition etc
Week-14	
27-Apr-26	Do
29-Apr-26	Test
30-Apr-26	Revision

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Bahal (Bhiwani) - 127028

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Lesson Plan- January to April 2026

Name - Dr. SUMAN DEVI

Department - Chemistry

Class - B.Sc. Life Sciences

Subject - Chemistry-IV

Semester - 4th

Subject Code - 24UN-CHE-401

Week-1	UNIT-1
27-Jan-26	Chemistry of d block elements-Definition of transition elements, stability of oxidation states
28-Jan-26	Structure of some compounds-TiO ₂ , VOCl ₂ , FeCl ₃ , CuCl ₂ , Ni(CO) ₄ , Magnetic properties
29-Jan-26	Chemistry of f block elements-Lanthanide contraction, oxidation states, magnetic properties
Week-2	
2-Feb-26	General Characteristics, Properties of d block elements, Latimer and Frost diagrams
3-Feb-26	Complex formation, colour & ionic radii, Comparison of ionic radii of 3d, 4d, 5d series elements
4-Feb-26	Actinides-General Characteristics of actinides, Transuranic elements
5-Feb-26	Comparison of properties of lanthanides and actinides with transition elements
Week-3	UNIT-2
9-Feb-26	Thermodynamics-I First law of thermodynamics: statement, concepts of internal energy &
10-Feb-26	concepts of internal energy & enthalpy, heat capacity
11-Feb-26	Heat capacities at constant volume and pressure and their relationship
12-Feb-26	Unit test
Week-4	
16-Feb-26	Joule-Thomson coefficient for ideal gas and real gas and inversion temperature
17-Feb-26	Calculation of w, q, dU, dH for the expansion of real gases under isothermal
18-Feb-26	and adiabatic conditions for reversible process
19-Feb-26	Second law of thermodynamics-carnot cycle and its efficiency
Week-5	
23-Feb-26	Concept of entropy, entropy as a function of V & T
24-Feb-26	Entropy as a function of P & T
25-Feb-26	Chemical equilibrium-concept of equilibrium constant
26-Feb-26	Clausius -Clapeyron equation and its application
Week-6	Unit -3
2-Mar-26	Alcohols-Monohydric alcohols: Nomenclature, methods of formation by reduction of
5-Mar-26	aldehydes, ketones, carboxylic acids and esters
Week-7	
9-Mar-26	test
10-Mar-26	Hydrogen bonding-acidic nature, reactions of alcohols
11-Mar-26	Phenols-Nomenclature structure and bonding, preparation: cumene hydroperoxide method

12-Mar-26	from diazonium salts,physical properties and acidic character
Week-8	
16-Mar-26	Chemical reactions:electrophilic aromatic substitution,mechanisms of Fries rearrangement
17-Mar-26	Claisen rearrangement,Reimer -Tiemenn reaction,Kolbe's reaction
18-Mar-26	Do
19-Mar-26	Unit-4 Aldehydes and ketones-Nomenclature and structure of carbonyl group
Week-9	
23-Mar-26	Unit test
24-Mar-26	Preparation:Oxidation of alcohols from acid chlorides and from nitriles
25-Mar-26	Comparison of reactivities of aldehydes and ketones
Week-10	
30-Mar-26	Mechanism of nucleophilic additions to carbonyl group
31-Mar-26	Benzoin,aldol,perkin and knoevenagel condensations
1-Apr-26	Condensation with ammonia and its derivatives,Wittig reaction
2-Apr-26	Mannich reaction,Baeyer-Villiger oxidation of ketones
Week-11	
6-Apr-26	Cannizzaro reaction,MPV,Clemmensen and Wolff Kishner reductions
7-Apr-26	Do
8-Apr-26	Do
9-Apr-26	Revision
Week-12	
13-Apr-26	Unit test
14-Apr-26	Revision
15-Apr-26	Revision
16-Apr-26	
Week-13	
20-Apr-26	Problem discussion
21-Apr-26	Problem discussion
22-Apr-26	Revision
23-Apr-26	Revision
Week-14	
27-Apr-26	Revision
28-Apr-26	Revision
29-Apr-26	revision
30-Apr-26	Revision

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Lesson Plan- January to April 2026

Name - Ms. Sanju

Department - Physical Science

Class - B.Sc.(Computer science)

Subject - DBMS

Semester - IV-Semester

Subject Code - 24UN-ICT-401

Week-1	UNIT-1
28-Jan-26	Intro. Of DBMS
29-Jan-26	Functions & Components
Week-2	
2-Feb-26	Database user-Role & Responsibiliteis,
4-Feb-26	Database System Architecture -1-Tier, 2-Tier, 3-Tier
5-Feb-26	Three Level of Architecture
Week-3	
9-Feb-26	Schemas, Mapping & Instance
11-Feb-26	Data Independence- Logical & Physical
12-Feb-26	Do
Week-4	UNIT-2
16-Feb-26	Data-Models-Hierarchical , Network & Relational Data Models
18-Feb-26	ER-Model
19-Feb-26	Types of Attributes, Keys
Week-5	
23-Feb-26	Key Integrity Constraints
25-Feb-26	ER-Diagram
26-Feb-26	Symbolic Notations for designing
Week-6	
2-Mar-26	Test & Assignment
Week-7	UNIT-3
9-Mar-26	Intro. Of SQL
11-Mar-26	Data types
12-Mar-26	SQL Components: DDL, DML, DCL, & DQL
Week-8	
16-Mar-26	Do
18-Mar-26	Joins
19-Mar-26	Queries & Sub-queries
Week-9	
23-Mar-26	Indexes
25-Mar-26	Relational Algebra-Basic Operations
Week-10	
30-Mar-26	Relational Calculus-Tuple Relational & Domain Relational Calculus

Week-11	
1-Apr-26	Relational Algebra Vs. Relational Calculus
2-Apr-26	Do
Week-12	UNIT-4
6-Apr-26	Relational Model-Functional Dependency , Characteristics
8-Apr-26	Rule of Functional Dependency
9-Apr-26	Types of Functional Dependency
Week-13	
13-Apr-26	Normalizations-1-NF, 2-NF, 3-NF
15-Apr-26	Do
16-Apr-26	Do
Week-14	
20-Apr-26	Dependencies-Join dependencies
22-Apr-26	Domain Key normal form
23-Apr-26	Do
Week-15	
27-Apr-26	Test & Assignment
29-Apr-26	Revision

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Lesson Plan- January to April 2026

Name - Mr. Man Singh

Department - Economics

Class - BA, B.Com B.Sc.

Subject - Sustainable development goals

Semester - 4th

Subject Code - 24UN-ECO-VAC301

Week-1	UNIT-1
27-Jan-26	Introduction to Sustainable Development
28-Jan-26	Do
31-Jan-26	Concept of Sustainable Development
Week-4	
2-Feb-26	Historical Context and Evolution of Sustainable Development
3-Feb-26	Do
4-Feb-26	Concept of SDGs in India
Week-5	
9-Feb-26	Effect of SDG in India
10-Feb-26	Do
11-Feb-26	Significance of SDGs in India
14-Feb-26	Do
Week-6	UNIT-II
16-Feb-26	Social Dimensions of Sustainability
17-Feb-26	Do
18-Feb-26	Understanding the Significance of Poverty Eradication (SDG I)
Week-7	
23-Feb-26	Zero Hunger (SDG II)
24-Feb-26	Do
25-Feb-26	Good Health and Well-Being (SDG III)
28-Feb-26	Do
Week-8	
2-Mar-26	Quality Education (SDG IV)
3-Mar-26	Do
Week-9	
9-Mar-26	Gender Equality (SDG V)
10-Mar-26	Do
11-Mar-26	Clean Water and Sanitation (SDG VI)
14-Mar-26	Do
Week-10	
16-Mar-26	Affordable and Clean Energy (SDG VII)
17-Mar-26	Do
18-Mar-26	Decent Work and Economic Growth (SDG VIII)
Week-11	UNIT-III

23-Mar-26	Economic Dimensions of Sustainability
24-Mar-26	Do
25-Mar-26	Understanding the Significance of Industry
28-Mar-26	Innovation and Infrastructure (SDG IX)
Week-12	
30-Mar-26	Reduced Inequalities (SDG X)
31-Mar-26	Sustainable Cities and Communities (SDG XI)
Week-13	
1-Apr-26	Responsible Consumption and Production (SDG XII)
Week-14	
6-Apr-26	Climate Action (SDG XIII)
7-Apr-26	Life Below Water (SDG XIV)
8-Apr-26	Life on Land (SDG XV)
11-Apr-26	Do
Week-15	UNIT-IV
13-Apr-26	Environmental Dimensions of Sustainability
14-Apr-26	Understanding the Significance of Peace
15-Apr-26	Do
Week-16	
20-Apr-26	Justice and Strong Institutions (SDG XVI)
21-Apr-26	Do
22-Apr-26	Partnerships for the Goals (SDG XVII)
25-Apr-26	Revision
Week-17	
27-Apr-26	Revision
28-Apr-26	Revision
29-Apr-26	Revision

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Lesson Plan- January- June 2026

Department - Hindi

Name - Manoj Kumar

Class - B.com,B.sc,B.A. 4th sem.

Subject - हिंदी भाषा एवं संप्रेषण व्यक्तित्व विकास

Semester - 4th

Subject Code - 24 UN-HND-AEC 401

UNIT-1

Week -1

29-Jan-26 व्यक्तित्व से आप क्या समझते हैं? व्यक्तित्व की परिभाषाओं पर प्रकाश डाला जाएगा।

30-Jan-26 व्यक्तित्व विकास का अर्थ स्पष्ट करते हुए उसके तत्व एवं प्रकार पर प्रकाश डाला जाएगा।

Week -2

31-Jan-26 सॉफ्ट कौशल का वर्णन करते हुए उसके प्रभावशाली सुधारों पर प्रकाश डाला जाएगा।

05-Feb-26 व्यक्तित्व लक्षणों का वर्णन करते हुए नेतृत्व गुणों का वर्णन किया जाएगा।

06-Feb-26 स्वामी विवेकानंद के व्यक्तित्व विकास की अवधारणा से क्या अभिप्राय है? उसके स्वरूप पर प्रकाश डाला जाएगा।

Week -3

07-Feb-26 व्यक्तित्व विकास में भाषा एवं साहित्य का योगदान पर प्रकाश डाला जाएगा।

12-Feb-26 प्रभावी व्यक्तित्व के तत्वों पर प्रकाश डाला जाएगा।

13-Feb-26

Week -4

14-Feb-26 इकाई एक के वस्तुनिष्ठ प्रश्नों पर प्रकाश डाला जाएगा।

19-Feb-26 पुनरावृत्ति।

UNIT-2

Week -5

20-Feb-26 इकाई 2 का परिचय करवाया जाएगा।

21-Feb-26 नेतृत्व योजना से क्या अभिप्राय है? सफल नेता के गुणों पर प्रकाश डाला जाएगा।

26-Feb-26 नेतृत्व के लाभों पर प्रकाश डाला जाएगा।

Week 6

27-Feb-26 प्रेरणा और लक्ष्य का निर्धारण स्पष्ट करवाया जाएगा।

28-Feb-26 लक्ष्य प्राप्ति एवं सफलता सफलता की अवधारणा से क्या अभिप्राय है? विस्तार पूर्वक समझाया जाएगा।

05-Mar-26 सफलता के जिम्मेदार क्या हैं? उदाहरण सहित समझाया जाएगा।

Week -7

06-Mar-26 टीम निर्माण एवं टीम कार्य से आप क्या समझते हैं? विस्तार पूर्वक समझाया जाएगा।

07-Mar-26 इमोशनल इंटेलिजेंस से क्या अभिप्राय है? विस्तार से समझाया जाएगा।

12-Mar-26 इंटेलिजेंस के महत्व पर प्रकाश डाला जाएगा।

Week -8

13-Mar-26 पुनरावृत्ति।

14-Mar-26 असाइनमेंट तैयार करवाया जाएगा।

UNIT-3

week - 9

19-Mar-26 इकाई तीन का परिचय करवाया जाएगा।

20-Mar-26 मूल्य से आप क्या समझते हैं? इसकी विभिन्न शक्तियों पर प्रकाश डाला जाएगा।

21-Mar-26 व्यक्तिगत मूल्य, सांस्कृतिक मूल्य एवं सामाजिक मूल्य से आप क्या समझते हैं? इनके प्रकार एवं तत्वों पर प्रकाश डाला जाएगा।

week - 10

26-Mar-26 शिष्टाचार से आप क्या समझते हैं? इसके महत्व पर प्रकाश डाला जाएगा।

27-Mar-26 अच्छे आचरण का अभ्यास क्या होता है? उसकी योग्यता, दायित्व एवं महत्व पर प्रकाश डाला जाएगा।

आत्म अनुशासन क्या है? इसकी विशेषता महत्व एवं गुणों पर प्रकाश डाला जाएगा।

Week -11

28-Mar-26 आत्म मूल्यांकन एवं विकास पर प्रकाश डाला जाएगा।

02-Apr-26	पुनरावृत्ति।
03-Apr-26	पुनरावृत्ति।
Week - 12	UNIT -4
04-Apr-26	समय प्रबंधन के अर्थ, स्वरूप एवं इसकी विशेषताओं पर प्रकाश डाला जाएगा।
09-Apr-26	समय प्रबंधन की तकनीक एवं शैलियां पर प्रकाश डाला जाएगा।
10-Apr-26	टाइम मैट्रिक्स क्या है? इसके विभिन्न सिद्धांतों पर प्रकाश डाला जाएगा।
Week - 13	
11-Apr-26	प्रभावी शैड्यूलिंग के महत्व पर प्रकाश डाला जाएगा।
16-Apr-26	तनाव प्रबंधन क्या है? इसके विभिन्न प्रभावों एवं प्रकारों का विस्तार से वर्णन करवाया जाएगा।
17-Apr-26	तनाव के स्रोत पर प्रकाश डाला जाएगा।
Week -14	
18-Apr-26	तनाव प्रबंधन की तरकीब पर प्रकाश डाला जाएगा।
23-Apr-26	असाइनमेंट तैयार करवाया जाएगा।
24-Apr-26	पुनरावृत्ति।
Week- 15	
25-Apr-26	पुनरावृत्ति
30-Apr-26	पुनरावृत्ति।
	last day of PG
Signature of Faculty	