

GDC Memorial College

Bahal (Bhiwani) - 127028

NAAC Accredited Grade "B" (Second Cycle) and Recognized under the Sections 2(f) & 12B of the UGC Act, 1956

Affiliated to Ch. Bansi Lal University, Bhiwani

Lesson Plan- January to April 2026

Name- Mr.Krishan	Department-Chemistry
Class - B.Sc. Chemistry(M&NM)	Subject - Quntum mechnics & Mol. Spectroscopy
Semester- 6th sem	Code- 20U-CHE-602
Week-1	UNIT-I Quantum Mechanics
27-Jan-26	Black body and black body radiation
28-Jan-26	Planck's radiation law & Photoelectric effect and it's explanation using quantum theory
30-Jan-26	do
Week-2	
2-Feb-26	Heisenberg's uncertainty Principle
3-Feb-26	Compton effect
4-Feb-26	postulates of quantum mechanics operators and their commutation relation
6-Feb-26	do
Week-3	
9-Feb-26	Hermitian operator
10-Feb-26	Schrodinger wave equation for free particle
11-Feb-26	Schrodinger wave equation for particle in 1-D box & 3-D box
13-Feb-26	Average energy
Week-4	
16-Feb-26	Pictorial representation of wave equation and energy of particle in 1- D box
17-Feb-26	do
18-Feb-26	utility of particle in 1-D box & particle in 3-D box and degeneracy of energy level
20-Feb-26	do
Week-5	UNIT-II Quantum Mechanics-II
23-Feb-26	Rigid rotator moel of rotation of diatomic molecules
24-Feb-26	Schrodinger equation
25-Feb-26	transformation to spherical polar coordinates
27-Feb-26	seperation of variales
Week-6	
2-Mar-26	spherical harmonics
6-Mar-26	qualitative discussion of solution
Week-7	UNIT-III Molecular spectroscopy-I
9-Mar-26	Introduction of rotational spectra
10-Mar-26	Rotational spectra of rigid diatomic molecule
11-Mar-26	do
13-Mar-26	intensities of rotational spectral lines non rigid rotator
Week-8	
16-Mar-26	spectra of polyatomic linear molecules

17-Mar-26	symmetric top molecules
18-Mar-26	isotopic substitution
20-Mar-26	Introduction of vibrational spectra Vibrating diatomic molecule
Week-9	
23-Mar-26	simple harmonic vibrator
24-Mar-26	anharmonicity overtones hot bands, P,Q,R branches
25-Mar-26	Interaction of rotation and vibration
27-Mar-26	vibration of polyatomic molecules
Week-10	UNIT-IV Molecular spectroscopy-II
30-Mar-26	Classical and quantum theory of raman spectra
31-Mar-26	Polarization of light and raman effect
1-Apr-26	do
3-Apr-26	Depolarization of Raman lines Pure rotational raman spectra of linear molecules
Week-11	
6-Apr-26	Vibrational raman spectra, Mutual exclusion principle
7-Apr-26	stokes and antistokes lines
8-Apr-26	Electronic spectra of diatomic molecules & rotational fine structure of electronic band
10-Apr-26	Franck Condon Principle
Week-12	
13-Apr-26	fluorescence and phosphorescence
14-Apr-26	Dissociation and predissociation calculation of electronic transition using free electron
15-Apr-26	classification of proteins
17-Apr-26	Peptide structure determination, End group analysis,
Week-13	
20-Apr-26	Selective hydrolysis of peptides, Classical peptides synthesis,
21-Apr-26	Structure of peptides and proteins-primary and secondary structure
22-Apr-26	do
24-Apr-26	Structure of peptides and proteins-primary and secondary structure
Week-14	
27-Apr-26	do
28-Apr-26	Presentation of Student
29-Apr-26	Presentation of Student
30-Apr-26	Class test

Signature of Faculty

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. (Med.)	Subject - Environmental Biology-II
Semester - 6th	Subject Code - 20UBOT602B
Week-1	UNIT-I
29-Jan-26	Types of Pollution
30-Jan-26	Do
31-Jan-26	Do
Week-2	
5-Feb-26	Effects of Pollution
6-Feb-26	Do
Week-3	
12-Feb-26	Residual Toxicity
13-Feb-26	Do
14-Feb-26	Do
Week-4	UNIT-II
19-Feb-26	Green House Effect and Global Warming
20-Feb-26	Ozone Layer Depletion, Acid Rain
Week-5	
26-Feb-26	Population Growth
27-Feb-26	Urbanization
28-Feb-26	Do
Week-6	UNIT-III
5-Mar-26	Industralization
6-Mar-26	Effects of Modern Agriculture Practices
Week-7	
12-Mar-26	Basics of Remote Sensing
13-Mar-26	Do
14-Mar-26	GIS
Week-8	UNIT-IV
19-Mar-26	Principals of Bioremediation
20-Mar-26	In-situ and Ex-Situ Bioremediation
Week-9	
26-Mar-26	Bioremediation of Toxic Metals
27-Mar-26	Biological Monitoring
28-Mar-26	Bio-indicators and Control of Environmental Pollution
Week-10	
2-Apr-26	Do
3-Apr-26	Xenobiotics
Week-11	

9-Apr-26	Test
10-Apr-26	Vermicomposting
11-Apr-26	Test
Week-12	
22-Apr-26	Biomining- Extraction of Cu by Microbes
23-Apr-26	Do
24-Apr-26	Au
Week-13	
16-Apr-26	Phytoremediation
17-Apr-26	Do
Week-14	
23-Apr-26	Test
24-Apr-26	Test
25-Apr-26	Revision
Week-15	
30-Apr-26	Test

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. (Med.)	Subject - Environmental Biology-I
Semester - 6th	Subject Code- 20UBOT602A
Week-1	UNIT-I
27-Jan-26	Components of Ecology
28-Jan-26	Environmental Biology
29-Jan-26	Do
Week-2	
2-Feb-26	Scope and Applications
3-Feb-26	Ecosystem
4-Feb-26	Do
Week-3	
9-Feb-26	Food Chain
10-Feb-26	Food Web
11-Feb-26	Ecological Pyramids
Week-4	UNIT-II
16-Feb-26	Carbon Cycle
17-Feb-26	Nitrogen Cycle
18-Feb-26	Phosphorous Cycle
Week-5	
23-Feb-26	Sulphur Cycle
24-Feb-26	Do
25-Feb-26	Mineral Cycle
Week-6	
2-Mar-26	Do
Week-7	UNIT-III
9-Mar-26	Biodiversity and its Conservation
10-Mar-26	Level of Biodiversity
11-Mar-26	Threats
Week-8	
16-Mar-26	Hotspots of Biodiversity
17-Mar-26	Endangered and Endemic Species
18-Mar-26	Flood
Week-9	
23-Mar-26	Drought
24-Mar-26	Landslides
25-Mar-26	Earthquake
Week-10	
30-Mar-26	Volcano, Tsunami

31-Mar-26	Cyclones
1-Apr-26	Do
Week-11	UNIT-IV
6-Apr-26	Ecology Management
7-Apr-26	Sustainable Development
8-Apr-26	Forest Development
Week-12	
13-Apr-26	Do
14-Apr-26	Desertification
15-Apr-26	Land Reclamation
Week-13	
20-Apr-26	Wetlands and Management
21-Apr-26	Do
22-Apr-26	Test
Week-14	
27-Apr-26	Revision
28-Apr-26	Revision
29-Apr-26	Revision

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 - Ms. Anuradha	Department - Zoology
Class - B.Sc. (Med.)	Subject - Insect, Vectors and Diseases
Semester - 6th	Subject Code - 20UZOO602
Week-1	UNIT-I
29-Jan-26	General Features of Insects
30-Jan-26	Brief Introduction of Carrirr and Vectors
31-Jan-26	Host-Vectors Relationship
Week-2	
5-Feb-26	Vecrorial capacity, Adaptations as vectors, Host specificity
6-Feb-26	Do
Week-3	
12-Feb-26	Detailed features of others with insects as vectors-Diptera, Siphonaptera,
13-Feb-26	Detailed features of others with insects as vectors-Siphunculata, hemiptera
14-Feb-26	Do
Week-4	UNIT-II
19-Feb-26	Dipterans as important insect vectors
20-Feb-26	Study of mosquitoes
Week-5	
26-Feb-26	Study of mosquitoes-borne diseases-Malaria, Dengue, Chikungunya
27-Feb-26	Do
28-Feb-26	Control of mosquitoes
Week-6	UNIT-III
5-Mar-26	Study of sand fly, house fly
6-Mar-26	Do
Week-7	
12-Mar-26	Study of sand fly-borne diseases
13-Mar-26	Do
14-Mar-26	Control of sand fly
Week-8	
19-Mar-26	Study of house fly as important mechanical vectors
20-Mar-26	Myiasis
Week-9	
26-Mar-26	Control of house fly
27-Mar-26	Do
28-Mar-26	Test
Week-10	UNIT-IV
2-Apr-26	Fleas as important insect vectors
3-Apr-26	Do

Week-11	
9-Apr-26	Human louse
10-Apr-26	Do
11-Apr-26	Test
Week-12	
22-Apr-26	Head, Body,and Pubic louse
23-Apr-26	Do
24-Apr-26	Bugs as insect vectors
Week-13	
16-Apr-26	Do
17-Apr-26	Do
Week-14	
23-Apr-26	Test
24-Apr-26	Test
25-Apr-26	Revision
Week-15	
30-Apr-26	Test

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 - Ms. Anuradha	Department - Zoology
Class - B.Sc. (Med.)	Subject -Applied Zoology
Semester - 6th	Subject Code- 20UZOO601
Week-1	UNIT-I
27-Jan-26	Introduction of Host-Parasite Relationship
28-Jan-26	Host, Definite host, Intermediate Host
29-Jan-26	Do
Week-2	
2-Feb-26	Parasitism, Symbiosis, Commensalism
3-Feb-26	Reservoir, Zoonosis, Epidemiology of diseases
4-Feb-26	Do
Week-3	
9-Feb-26	Prevention and control of diseases
10-Feb-26	Tuberculosis and typhoid
11-Feb-26	Do
Week-4	UNIT-II
16-Feb-26	Rickettsiac and Spirochaetes
17-Feb-26	Do
18-Feb-26	Brief account of Rickettsia provowazekii
Week-5	
23-Feb-26	Do
24-Feb-26	Brief account of Borrelia recurrentis
25-Feb-26	Brief account of Treponema pallidum and mycoplasm
Week-6	
2-Mar-26	Do
Week-7	UNIT-III
9-Mar-26	Prasitic Protozoa
10-Mar-26	Do
11-Mar-26	Life history and pathogenicity of Entamoeba histolytica
Week-8	
16-Mar-26	Do
17-Mar-26	Life history of Plasmodium vivax
18-Mar-26	Do
Week-9	
23-Mar-26	Life history of Trypanosoma brucei
24-Mar-26	Do
25-Mar-26	Life history of Leishmania
Week-10	
30-Mar-26	Bio-indicators and Control of Environmental Pollution

31-Mar-26	Do
1-Apr-26	Do
Week-11	UNIT-IV
6-Apr-26	Parasitic Helminthes
7-Apr-26	Do
8-Apr-26	Life history and pathogenicity of Wucheria bancrofti
Week-12	
13-Apr-26	Do
14-Apr-26	Life history and pathogenicity of Taenia soium
15-Apr-26	Do
Week-13	
20-Apr-26	Life history and pathogenicity of Ascarias
21-Apr-26	Do
22-Apr-26	Test
Week-14	
27-Apr-26	Revision
28-Apr-26	Revision
29-Apr-26	Revision

GDC Memorial College

Bahal (Bhiwani) - 127028

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

Lesson Plan- January to April 2026

Name- Mr. Krishan	Department-Chemistry
Class- B.Sc (Medical)	Subject-Organic Spectroscopy-II
Semester- 6th	Subject Code- 20U-CHE-601
Week-1	UNIT-1
28-Jan-26	Learning objective and outcome
29-Jan-26	Application of IR in structure elucidation of organic compounds
30-Jan-26	do
Week-2	
2-Feb-26	carbonyls and effect of substituents on it, C-H, N-H, O-H vibrations
4-Feb-26	do
5-Feb-26	H-bonding- unsaturated
6-Feb-26	do
Week-3	
9-Feb-26	mono- and disubstituted aromatic compounds
11-Feb-26	do
12-Feb-26	metal-ligand vibrations
13-Feb-26	group frequencies of complex ligands-CN stretching and effect of coordination on it,
Week-4	
16-Feb-26	nitro and nitrite and C=O ligands and effect of their coordination with metal ions
18-Feb-26	do
19-Feb-26	Applications of far and near IR
20-Feb-26	Class test
Week-5	UNIT-2
23-Feb-26	Basic principles of Nuclear Magnetic Resonance
25-Feb-26	do
26-Feb-26	chemical shift and its measurement,
27-Feb-26	do
Week-6	
2-Mar-26	factors influencing chemical shift
6-Mar-26	Spin-spin coupling
Week-7	
9-Mar-26	mechanism of nuclear spinspin interactions,
11-Mar-26	do
12-Mar-26	Different spin systems
13-Mar-26	coupling constant and factors effecting Coupling constant

Week-8	
16-Mar-26	Anisotropic effects in alkene, alkyne,
18-Mar-26	do
19-Mar-26	aldehydes and aromatics
20-Mar-26	Simplification of complex proton spectra with examples.
Week-9	UNIT-3
23-Mar-26	Interpretation of PMR Spectra of simple organic compounds.
25-Mar-26	do
26-Mar-26	do
27-Mar-26	Distinction between geometrical isomers.
Week-10	
30-Mar-26	do
1-Apr-26	basic principle, chemical shift and its calculations Applications of IR, UV
2-Apr-26	do
3-Apr-26	do
Week-11	
6-Apr-26	NMR for identification of simple organic molecules
8-Apr-26	do
9-Apr-26	do
10-Apr-26	Class test
Week-12	UNIT-4
13-Apr-26	Introduction, ion production - EI, CI, FD and FAB,
15-Apr-26	do
16-Apr-26	factors affecting fragmentation, McLafferty rearrangement
17-Apr-26	do
Week-13	
20-Apr-26	Nitrogen rule
22-Apr-26	Mass spectral fragmentation of organic compounds having common functional groups.
23-Apr-26	do
24-Apr-26	Combined problems relating to structure elucidation by UV, IR
Week-14	
27-Apr-26	NMR Spectroscopy and Mass Spectrometry
29-Apr-26	do
30-Apr-26	Class test
	Signature of Faculty

GDC Memorial College, Bahal (Bhiwani)

NAAC Accredited Grade "B" (Second Cycle) and Recognized under
the Sections 2(f) & 12B of the UGC Act, 1956

Affiliated to Ch. Bansi Lal University, Bhiwani

Lesson Plan- Jan- April, 2026

Name - Dr. Poonam Kumari		Department - Botany	
Class - B.Sc. (Med.)		Subject - Mashroom Culture Technology	
Semester - 6th		Subject Code - 20SECB604	
Week-1	Unit-I		
29-Jan-26	History of Mushroom		
30-Jan-26	Nurtional Value of Mushroom		
31-Jan-26	Medicinal Value		
Week-2			
5-Feb-26	Poisonous Mushrooms		
6-Feb-26	Do		
Week-3			
12-Feb-26	Do		
13-Feb-26	Edible Mushrooms		
14-Feb-26	Do		
Week-4	UNIT-II		
19-Feb-26	Substrate Polythene Bags		
20-Feb-26	Pure Culture		
Week-5			
26-Feb-26	Medium Sterilization		
27-Feb-26	Preperation of spawnm		
28-Feb-26	Mushroom Bed preparation		
Week-6			
5-Mar-26	Factors affecting Bed Preparation		
6-Mar-26	Composting Technology		
Week-7	UNIT-III		
12-Mar-26	Short Term Storage		
13-Mar-26	Long Term Storage		
14-Mar-26	Drying		
Week-8			
19-Mar-26	Storage		
20-Mar-26	Do		
Week-9			
26-Mar-26	Nutrition		
27-Mar-26	Proteins		
28-Mar-26	Carbohydrates		
Week-10	UNIT-IV		
2-Apr-26	Types Of Food Prepared from Mushroom		
3-Apr-26	Do		

Week-12	
9-Apr-26	Do
10-Apr-26	Export Value
11-Apr-26	Research Center
Week-13	
16-Apr-26	Cost Benefit Ratio
17-Apr-26	Do
Week-14	
23-Apr-26	Marketing in India and Abroad
24-Apr-26	Do
Week-15	
25-Apr-26	Do