

Date: 13.04.2022

I.B. (PG) COLLEGE, PANIPAT
SESSION 2021-2022 (11.04.2022 to 19.07.2022)

Weekly Lesson Plan (Even Semester)

UG (2nd / 4th / 6th Semester) & PG (2nd / 4th)

Name of the Paper:-ORGANIC CHEMISTRY Class:-B.Sc Ist year(II SEM)

Name of the Teachers (Section wise): PROF. RANJANA SHARMA(A)

WEEK	DATE	TOPICS
1	April (11-16)	Alkenes Nomenclature of alkenes, mechanisms of dehydration of alcohols and dehydrohalogenation of alkyl halide
HOLIDAY - 14th APRIL (Dr. B.R. Ambedkar Jayanti /Mahavir Jayanti)		
SUNDAY - 17.04.2022		
2	April (18-23)	The Saytzeff rule, Hofmann elimination, physical properties and relative stabilities of alkenes.
SUNDAY - 24.04.2022		
3	April (25-30)	Chemical reactions of alkenes, mechanisms involved in hydrogenation, electrophilic and free radical additions,
SUNDAY - 01.05.2021		
4	May (2, 4-7)	Markownikoff's rule, hydroboration-oxidation, oxymercuration-reduction, ozonolysis, hydration, hydroxylation and oxidation with KMnO_4 .
HOLIDAY - 3rd May (Id-ul-Fitr / Parshuram Jayanti)		
SUNDAY - 08.05.2022		
5	May (9-14)	Arenes and Aromaticity Nomenclature of benzene derivatives: Aromatic nucleus and side chain.
SUNDAY - 15.05.2022		

6	May (16-21)	Aromaticity: the Huckel rule, aromatic ions, annulenes up to 10 carbon atoms, aromatic, anti-aromatic and non-aromatic compounds.
SUNDAY - 22.05.2022		
7	May (23-28)	Aromatic electrophilic substitution ,general pattern of the mechanism, mechanism of nitration, halogenation, sulphonation, and Friedel-Crafts reaction.
SUNDAY -29.05.2022		
8	May (30-31) June (1, 3-4)	Energy profile diagrams. Activating , deactivating substituents and orientation.
HOLIDAY - 02.06.2022 (Maharana Pratap Jayanti)		
SUNDAY - 05.06.2022		
9	June (6-11)	Dienes and Alkynes Nomenclature and classification of dienes: isolated, conjugated and cumulated dienes. Structure of butadiene.
SUNDAY - 12.06.2022		
10	June (13, 15-18)	Chemical reactions 1,2 and 1,4 additions (Electrophilic & free radical mechanism), Diels-Alder reaction, Nomenclature, structure and bonding in alkynes.
HOLIDAY -14.06.2022 (Sant Kabir Jayanti)		
SUNDAY - 19.06.2022		
11	June (20-25)	Methods of formation. Chemical reactions of alkynes, acidity of alkynes. Mechanism of electrophilic and nucleophilic addition reactions, hydroboration-oxidation of alkynes.
SUNDAY - 26.06.2022		

12	June (27-30) July (1-2)	Alkyl and Aryl Halides Nomenclature and classes of alkyl halides, methods of formation, chemical reactions.
SUNDAY - 03.07.2022		
13	July (4-9)	Mechanisms and stereochemistry of nucleophilic substitution reactions of alkyl halides, S _N 2 and S _N 1 reactions with energy profile diagrams. Methods of formation and reactions of aryl halides
SUNDAY & HOLIDAY (Id-ul-Zuha (Bakr-Id) - 10.07.2022		
14	July (11-16)	The addition-elimination and the elimination-addition mechanisms of nucleophilic aromatic substitution reactions. Relative reactivities of alkyl halides vs allyl, vinyl and aryl halides.
SUNDAY - 17.07.2022		
15	July (18-19)	CLASS TEST
20.07.2022 - EXAMINATION ONWARDS		

Date: 13.04.2022

I.B. (PG) COLLEGE, PANIPAT
SESSION 2021-2022 (11.04.2022 to 19.07.2022)

Weekly Lesson Plan (Even Semester)

Name of the Paper:-Properties of matter,kinetics theory of gases Class: b.sc -1st year(2nd sem)

Name of the Teachers (Section wise): __Deepa saini

WEEK	DATE	TOPICS
1	April (11-16)	Rotation of rigid body,Torque acting on a rigid body,torque
		and angular momentum,kinetics energy of rotation and
		moment of inertia,work and power in rotational motion,relations between
		torque and angular acceleration,laws of rotation,numericals
HOLIDAY - 14th APRIL (Dr. B.R. Ambedkar Jayanti /Mahavir Jayanti)		
SUNDAY - 17.04.2022		
2	April (18-23)	Theorem of perpendicular axes,theorem of parallel axes,moment of inertia of a
		uniform rod,moment of inertia of rectangular lamina,moment of inertia of a
		rectangular bar,moment of inertia of a ring,moment of inertia of a disc
		numericals
SUNDAY - 24.04.2022		
3	April (25-30)	moment of inertia of a spherical shell,moment of inertia of hollow sphere of
		finite thickness of the surface,moment of inertia of a solid sphere,moment of
		inertia of a solid cylinder,,moment of inertia of hollow cylinder of a finite thickness
		of the surface
SUNDAY - 01.05.2021		
4	May (2, 4-7)	moment of inertia of hollow cylinder of a negligible thickness
		of the surface,Fly wheel, Moment of inertia of an irregular body,
		Acceleration of a body rolling down on an inclined plane
HOLIDAY - 3rd May (Id-ul-Fitr / Parshuram Jayanti)		
SUNDAY - 08.05.2022		

5	May (9-14)	Elasticity, Stress and Strain, Hook's law, Elastic constant and their relations
		Poisson's ratio, Torsion of cylinder and twisting couple
		Determination of coefficient of modulus of rigidity for the material of wire by
		Maxwell's needle, assignment-1
SUNDAY - 15.05.2022		
6	May (16-21)	Bending of beam (Bending moment and its magnitude)
		Bending of Cantilever and Centrally loaded beam
		Determination of Young's modulus by Bending of beam
SUNDAY - 22.05.2022		
7	May (23-28)	Young's modulus for the material of the beam and Elastic constants for the material
		of the wire by Searle's method.
		Numericals, revision of unit -2
SUNDAY -29.05.2022		
8	May (30-31) June (1, 3-4)	Assumption of Kinetic theory of gases, pressure of an ideal gas (with derivation)
		Kinetic interpretation of Temperature
		Ideal Gas equation, Degree of freedom
HOLIDAY - 02.06.2022 (Maharana Pratap Jayanti)		
SUNDAY - 05.06.2022		
9	June (6-11)	law of equipartition of energy and its application for specific heat of gases
		Real gases, van der Waal's equation
		Brownian motion(Qualitative), numericals
SUNDAY - 12.06.2022		

10	June (13, 15-18)	Maxwell's distribution of speed and velocities (derivation required),
		Experimental verification of Maxwell's law of speed distribution
		most probable speed, average speed assignment-2
HOLIDAY -14.06.2022 (Sant Kabir Jayanti)		
SUNDAY - 19.06.2022		
11	June (20-25)	unit test
		r.m.s. speed, Mean free path and its expression
SUNDAY - 26.06.2022		
12	June (27-30)	Transport phenomenon in gases, gaseous viscosity
		Theory of conductivity of gases
	July (1-2)	
SUNDAY - 03.07.2022		
13	July (4-9)	Diffusion of gases,
		numericals
		conceptual questions discussion
SUNDAY & HOLIDAY (Id-ul-Zuha (Bakr-Id) - 10.07.2022		
14	July (11-16)	Revision
		Revision
		Revision
SUNDAY - 17.07.2022		
15	July (18-19)	Revision
		Revision
20.07.2022 - EXAMINATION ONWARDS		

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I.B. (PG) COLLEGE, PANIPAT
SESSION 2021-2022 (11.04.2022 to 19.07.2022)

Weekly Lesson Plan (Even Semester)

Name of the Paper: DIVERSITY OF ARCHEGONIATES Class: B.sc 1st(IInd Sem)

Name of the Teachers (Section wise): Rajni

WEEK	DATE	TOPICS
1	April (11-16)	Bryophyta- Introduction
		Discussion on General characters of Bryophyta
		Discussion on General characters of Bryophyta
HOLIDAY - 14th APRIL (Dr. B.R. Ambedkar Jayanti /Mahavir Jayanti)		
SUNDAY - 17.04.2022		
2	April (18-23)	Bryophyta- Classification (upto classes)
		Bryophyta- Classification (upto classes)
		Bryophyta- Alternation of generations.
SUNDAY - 24.04.2022		
3	April (25-30)	<i>Marchantia</i> - structure and reproduction
		<i>Marchantia</i> - structure and reproduction
		<i>Marchantia</i> - structure and reproduction
SUNDAY - 01.05.2021		
4	May (2, 4-7)	<i>Marchantia</i> - structure and reproduction
		<i>Anthoceros</i> - structure and reproduction
HOLIDAY - 3rd May (Id-ul-Fitr / Parshuram Jayanti)		
SUNDAY - 08.05.2022		
5	May (9-14)	<i>Anthoceros</i> - structure and reproduction
		<i>Anthoceros</i> - structure and reproduction
		<i>Anthoceros</i> - structure and reproduction
SUNDAY - 15.05.2022		

6	May (16-21)	<i>Funaria</i> -structure and reproduction
		<i>Funaria</i> -structure and reproduction
		<i>Funaria</i> -structure and reproduction
SUNDAY - 22.05.2022		
7	May (23-28)	<i>Funaria</i> -structure and reproduction
		Pteridophyta- General characters.
		Pteridophyta- General characters.
SUNDAY -29.05.2022		
8	May (30-31) June (1, 3-4)	Pteridophyta- General characters.
		Pteridophyta- classification (upto classes)
		Pteridophyta- classification (upto classes)
HOLIDAY - 02.06.2022 (Maharana Pratap Jayanti)		
SUNDAY - 05.06.2022		
9	June (6-11)	Pteridophyta- classification (upto classes)
		<i>Rhynia</i> - alternation of generations, structure and reproduction.
		<i>Rhynia</i> - alternation of generations, structure and reproduction.
SUNDAY - 12.06.2022		
10	June (13, 15-18)	<i>Rhynia</i> - alternation of generations, structure and reproduction.
		<i>Selaginella</i> - structure and reproduction, alternation of generations
		Class Test
HOLIDAY -14.06.2022 (Sant Kabir Jayanti)		
SUNDAY - 19.06.2022		
11	June (20-25)	<i>Selaginella</i> - structure and reproduction, alternation of generations
		<i>Selaginella</i> - structure and reproduction, alternation of generations
		<i>Equisetum</i> - structure and reproduction, alternation of generations
SUNDAY - 26.06.2022		

12	June (27-30)	<i>Equisetum</i> - structure and reproduction, alternation of generations
		<i>Equisetum</i> - structure and reproduction, alternation of generations
		<i>Equisetum</i> - structure and reproduction, alternation of generations
	July (1-2)	
SUNDAY - 03.07.2022		
13	July (4-9)	<i>Pteris</i> -structure and reproduction, alternation of generations
		<i>Pteris</i> -structure and reproduction, alternation of generations
		<i>Pteris</i> -structure and reproduction, alternation of generations
SUNDAY & HOLIDAY (Id-ul-Zuha (Bakr-Id) - 10.07.2022		
14	July (11-16)	<i>Pteris</i> -structure and reproduction, alternation of generations
		<i>Pteris</i> -structure and reproduction, alternation of generations
		Test
SUNDAY - 17.07.2022		
15	July (18-19)	Revision
		Revision
20.07.2022 - EXAMINATION ONWARDS		

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I.B. (PG) COLLEGE, PANIPAT
SESSION 2021-2022 (11.04.2022 to 19.07.2022)

Weekly Lesson Plan (Even Semester)

Name of the Paper:-GENETICS

Class: B.Sc. I (Medical) 2nd Semester

Name of the Teachers (Section wise): Miss. KIRAN

WEEK	DATE	TOPICS
1	April (11-16)	
		Genetic Material: DNA the genetic material
		DNA structure
HOLIDAY - 14th APRIL (Dr. B.R. Ambedkar Jayanti /Mahavir Jayanti)		
SUNDAY - 17.04.2022		
2	April (18-23)	
		DNA structure
		DNA Replication
SUNDAY - 24.04.2022		
3	April (25-30)	
		DNA-Protein interaction, the Nucleosome Model
		Genetic Code
SUNDAY - 01.05.2021		
4	May (2, 4-7)	
		Satellite and Repetitive DNA
		Genetic Inheritance: Mendelism: Laws of segregation
Independent Assortment		
HOLIDAY - 3rd May (Id-ul-Fitr / Parshuram Jayanti)		
SUNDAY - 08.05.2022		
5	May (9-14)	
		Linkage Analysis
		Linkage Analysis
Allelic and non-allelic interactions		
SUNDAY - 15.05.2022		

6	May (16-21)	
		Allelic and non-allelic interactions
		Allelic and non-allelic interactions
SUNDAY - 22.05.2022		
7	May (23-28)	
		Allelic and non-allelic interactions
		Genetic Variations: Mutations- spontaneous and induced
SUNDAY - 29.05.2022		
8	May (30-31) June (1, 3-4)	
		Transposable genetic elements
		Transposable genetic elements
		DNA Damage and Repair
HOLIDAY - 02.06.2022 (Maharana Pratap Jayanti)		
SUNDAY - 05.06.2022		
9	June (6-11)	
		DNA Damage and Repair
		DNA Damage and Repair
SUNDAY - 12.06.2022		
10	June (13, 15-18)	
		Gene Expression: Modern concept of gene; RNA; Ribosomes
		Transfer of genetic information :- Transcription
HOLIDAY - 14.06.2022 (Sant Kabir Jayanti)		
SUNDAY - 19.06.2022		
11	June (20-25)	
		Translation (Protein Synthesis)
		Translation (Protein Synthesis)
SUNDAY - 26.06.2022		
SUNDAY - 26.06.2022		

12	June (27-30)	
	July (1-2)	
		Regulation of gene expression in prokaryotes and eukaryotes
		regulation of gene expression in prokaryotes and eukaryotes
1-D, 2-D and 3-D structure of Proteins		
SUNDAY - 03.07.2022		
13	July (4-9)	
		1-D, 2-D and 3-D structure of Proteins
		1-D, 2-D and 3-D structure of Proteins
		Extra Nuclear Inheritance: Presence and function of Mitochondrial
SUNDAY & HOLIDAY (Id-ul-Zuha (Bakr-Id) - 10.07.2022		
14	July (11-16)	
		Extra Nuclear Inheritance: Presence and function of Mitochondrial
		Plastid DNA
		Plasmids
SUNDAY - 17.07.2022		
15	July (18-19)	
20.07.2022 - EXAMINATION ONWARDS		

Date: 13.04.2022

I.B. (PG) COLLEGE, PANIPAT
SESSION 2021-2022 (11.04.2022 to 19.07.2022)

Weekly Lesson Plan (Even Semester)

Name of the Paper:- Ordinary Differential Equations Class: B.Sc. First Year (2nd sem)

Name of the Teachers (Section wise): Prof. Kanak Sharma

WEEK	DATE	TOPICS
1	April (11-16)	Introduction to Differential Equations, Types of Differential Equations
		Formation of Differential Equations and Geometrical Meaning
		Theorems and Questions based on Formation of Differential Eq.
		Exact Differential Equations and Questions based on it
		Discussion of Problems
HOLIDAY - 14th APRIL (Dr. B.R. Ambedkar Jayanti /Mahavir Jayanti)		
SUNDAY - 17.04.2022		
2	April (18-23)	Introduction to Equations of First Order but not of First Degree
		Theorems based on Equations of First Order but not of First Degree
		Methods of solving Equations of First Order with degree higher than one
		Solution of Equations solvable for x
		Methods of solving equations solvable for y and problems based on it.
		Problem discussion
SUNDAY - 24.04.2022		
3	April (25-30)	Class Test
		Introduction to Lagrange's Equation and method for solving such Equations
		Introduction to Clairaut's Equation and method for solving such Equations
		Equations reducible to Clairaut's form and problems based on it
		Singular Solution, Discriminant, Questions related to p-Discriminant and c-Discriminant
		Discussion of Problems
SUNDAY - 01.05.2021		
4	May (2, 4-7)	Methods for finding Orthogonal Trajectories and Questions based on it
		Discussion of Problems
		Discussion of Problems
		Introduction to Linear Differential Equations with Constant Coefficients, Differential Operator
		Complete solution of Linear Differential Equations
HOLIDAY - 3rd May (Id-ul-Fitr / Parshuram Jayanti)		
SUNDAY - 08.05.2022		

5	May (9-14)	Auxiliary Equations, Methods for finding roots of Auxiliary Equations and Complete solution of Linear Differential Equations
		Inverse operator, Theorems based on Linear Differential Equations.
		Problem Discussion
		Problem Discussion
		Introduction to the concept of Particular Integral and discussion of different methods of finding Particular Integral
		Questions based on finding solution of Linear Differential Equation
SUNDAY - 15.05.2022		
6	May (16-21)	Questions based on finding solution of Linear Differential Equation
		Class Test
		Introduction to Homogeneous Linear Differential Equations
		Discussion of methods of solving Homogeneous Linear Differential Equations,
		Questions based on solution of Homogeneous Linear Differential Equations
		Discussion of Problems
SUNDAY - 22.05.2022		
7	May (23-28)	Equations reducible to Homogeneous Linear form
		Discussion of methods for solving Equations reducible to Homogeneous Linear form.
		Definition of Linear Differential Equations of Second order and its examples
		Solution of Linear Differential Equations of Second order by changing the dependent variable
		Question Discussion
		Question Discussion
SUNDAY - 29.05.2022		
8	May (30-31) June (1, 3-4)	Solution of Linear Differential Equations of Second order by changing the independent variable and problems related to it
		Problem Discussion
		Introduction to the method of Variation of Parameters
		Solution of Linear Differential Equations of Second order by the method of undetermined coefficients
		Different ways of finding solution of these equations, questions based on it and Discussion of Problems.
HOLIDAY - 02.06.2022 (Maharana Pratap Jayanti)		
SUNDAY - 05.06.2022		

9	June (6-11)	Problem Discussion
		Introduction to Ordinary Simultaneous Differential Equations- Definition and Examples
		Methods of solving Simultaneous Differential Equations with constant coefficients and questions related to it
		Question Discussion
		Solution of Simultaneous Differential Equations using Differential Operator
		Solution of Simultaneous Differential Equations using Differential Operator
SUNDAY - 12.06.2022		
10	June (13, 15-18)	Problem Discussion
		Class Test
		Solution of Simultaneous Differential Equations using Method of Differentiation
		Discussion of some other methods for solving Simultaneous Differential Equations and questions related to it
		Discussion of problems
HOLIDAY -14.06.2022 (Sant Kabir Jayanti)		
SUNDAY - 19.06.2022		
11	June (20-25)	Solution of Simultaneous Differential Equations using Method of finding the second integral with the help of first integral
		Discussion of Problems
		Total Differential Equations- Definition and Examples
		Theorem for the Integrability of Total Differential Equations and questions based on it
		Concept of Condition for Exactness
		Solution of Total Differential Equations by using method of inspection and problems related to it
SUNDAY - 26.06.2022		
12	June (27-30)	Discussion of Problems
		Solution of Total Differential Equations by regarding one variable as constant out of three variables
	July (1-2)	Questions discussion
		Class Test
		Method for solving Homogeneous Equations and problems related to it
		Method for solving Homogeneous Equations and problems related to it
		Method for solving Homogeneous Equations and problems related to it
SUNDAY - 03.07.2022		

13	July (4-9)	Problem Discussion
		Solution of Total Differential Equations by using method of Auxiliary Equation
		Solution of Total Differential Equations by using method of Auxiliary Equation
		Problem Discussion
		Problem Discussion
		Class Test
SUNDAY & HOLIDAY (Id-ul-Zuha (Bakr-Id) - 10.07.2022		
14	July (11-16)	Revision
		Revision
		Revision
		Revision
		Revision
		Revision
SUNDAY - 17.07.2022		
15	July (18-19)	Revision
		Revision
20.07.2022 - EXAMINATION ONWARDS		

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I.B. (PG) COLLEGE, PANIPAT
SESSION 2021-2022 (11.04.2022 to 19.07.2022)

Weekly Lesson Plan (Even Semester) UG (2ndSemester)

Name of the Paper:- Life and Diversity from Mollusca to Hemichordata & Genetics - II
 Class: B.sc 1st (2nd sem)

Name of the Teachers (Section wise): Monika

WEEK	DATE	TOPICS
1	April (11-16)	General characters of mollusca
		General characters of mollusca
		General characters of mollusca
HOLIDAY - 14th APRIL (Dr. B.R. Ambedkar Jayanti /Mahavir Jayanti)		
SUNDAY - 17.04.2022		
2	April (18-23)	Biodiversity and economic importance
		Biodiversity and economic importance
		Type study of - Pila
SUNDAY - 24.04.2022		
3	April (25-30)	Type study of - Pila
		Type study of - Pila
		Type study of - Pila
SUNDAY - 01.05.2021		
4	May (2, 4-7)	Type study of - Pila
		Type study of - Pila
		Type study of - Pila
HOLIDAY - 3rd May (Id-ul-Fitr / Parshuram Jayanti)		
SUNDAY - 08.05.2022		
5	May (9-14)	Torsion and detorsion in gastropoda
		Torsion and detorsion in gastropoda
		Respiration and foot
SUNDAY - 15.05.2022		

6	May (16-21)	Respiration and foot
		General characters of Echinodermata
		Biodiversity and economic importance of Echinodermata
SUNDAY - 22.05.2022		
7	May (23-28)	Type study – Asteries (Sea Star)
		Type study – Asteries (Sea Star)
		Type study – Asteries (Sea Star)
SUNDAY - 29.05.2022		
8	May (30-31) June (1, 3-4)	Type study – Asteries (Sea Star)
		Type study – Asteries (Sea Star)
		Type study – Asteries (Sea Star)
HOLIDAY - 02.06.2022 (Maharana Pratap Jayanti)		
SUNDAY - 05.06.2022		
9	June (6-11)	Echinoderm larvae
		Aristotle's Lantern
		General Character; Type Study of Ballanglosu
SUNDAY - 12.06.2022		
10	June (13, 15-18)	General Character; Type Study of Ballanglosu
		General Character; Type Study of Ballanglosu
		General Character; Type Study of Ballanglosu
HOLIDAY - 14.06.2022 (Sant Kabir Jayanti)		
SUNDAY - 19.06.2022		
11	June (20-25)	General Character; Type Study of Ballanglosu
		Eye colour in Drosophila; A, B, O blood group in man
		Eye colour in Drosophila; A, B, O blood group in man
SUNDAY - 26.06.2022		

12	June (27-30)	Eye colour in Drosophila; A, B, O blood group in man
		: Human karyotype
	July (1-2)	: Human karyotype
SUNDAY - 03.07.2022		
13	July (4-9)	Chromosomal abnormalities
		Chromosomal abnormalities
		Chromosomal abnormalities
SUNDAY & HOLIDAY (Id-ul-Zuha (Bakr-Id) - 10.07.2022		
14	July (11-16)	monozygotic and dizygotic twins.
		Inborn errors of metabolism
		Nature and function of genetic material
SUNDAY - 17.07.2022		
15	July (18-19)	Nature and function of genetic material
		Applied genetics
20.07.2022 - EXAMINATION ONWARDS		

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I.B. (PG) COLLEGE, PANIPAT**SESSION 2021-2022 (11.04.2022 to 19.07.2022)****Weekly Lesson Plan (Even Semester)****UG (2nd / 4th / 6th Semester) & PG (2nd / 4th)****Name of the Paper:- IDEAS AGLOW Class: B.SC (2nd sem)****Name of the Teachers (Section wise): Ms. Smiley & Kajal**

WEEK	DATE	TOPICS
1	April (11-16)	introduction of writer chapter 1
		reading of chapter 1
		complete chapter 1
		discuss question answers
		doubts of chapter 1
HOLIDAY - 14th APRIL (Dr. B.R. Ambedkar Jayanti /Mahavir Jayanti)		
SUNDAY - 17.04.2022		
2	April (18-23)	revision of chapter 1
		introduction of writer chapter 2
		summary of chapter 2
		complete chapter 2
		discuss chapter 2
		question answers of chapter 2
SUNDAY - 24.04.2022		
3	April (25-30)	revision of chapter 2
		introduction of writer chapter 3
		explanation of chapter 3
		explanation of chapter 3
		discuss question answers of chapter 3
		douts of chapter 3
SUNDAY - 01.05.2021		
4	May (2, 4-7)	revision of chapter 3
		production of writer chapter 4
		explanation of chapter 4
		nation of chapter 4
		discuss question answers of chapter 4
HOLIDAY - 3rd May (Id-ul-Fitr / Parshuram Jayanti)		
SUNDAY - 08.05.2022		
5	May (9-14)	doubts of chapter 4
		complete revision of chapter 4
		test of chapter 1
		discussion on chapter 1
		test of chapter 2
SUNDAY - 15.05.2022		

6	May (16-21)	test of chapter
		discuss on chapter 3
		test of chapter 4
		discuss on chapter 4
		introduction of writer chapter 5
SUNDAY - 22.05.2022		
7	May (23-28)	complete summary of chapter 5
		explanation of chapter 5
		paragraph wise reading chapter 5
		discuss on question answers chapter 5
		doubts of chapter 5
SUNDAY -29.05.2022		
8	May (30-31) June (1, 3-4)	test of chapter 5
		introduction of writer chapter 6
		complete summary of chapter 6
		explanation of chapter 6
		paragraph wise explanation chapter 6
HOLIDAY - 02.06.2022 (Maharana Pratap Jayanti)		
SUNDAY - 05.06.2022		
9	June (6-11)	revision of chapter
		complete chapter 6
		doubts of chapter 6
		test of chapter 6
		test of chapter 5
		again revision of chapter 5 and 6
SUNDAY - 12.06.2022		
10	June (13, 15-18)	translation 1
		translation 2
		translation 3
		official letter writing 1
HOLIDAY -14.06.2022 (Sant Kabir Jayanti)		
SUNDAY - 19.06.2022		
11	June (20-25)	official letter writing 3
		official letter writing 4
		official letter writing 5
		doubts of letter writing
		revision of translation
		revision of letter writing
SUNDAY - 26.06.2022		

12	June(27-30)	test of letter writing
		precis writing introduction
	July (1-2)	precis 1
		precis 2
		precis 3
		precis 4
SUNDAY - 03.07.2022		
13	July (4-9)	discussion on precis writing
		Doubts of precis
		revision of precis
		test of precis
		test of chapter 1
		test of chapter 2
SUNDAY & HOLIDAY (Id-ul-Zuha (Bakr-Id) - 10.07.2022		
14	July (11-16)	best of chapter 3
		best of chapter 4
		test of chapter 5
		test of chapter 6
		test of letter
		test of precis
SUNDAY - 17.07.2022		
15	July (18-19)	test of translation
		full test
20.07.2022 - EXAMINATION ONWARDS		

I.B. (PG) COLLEGE, PANIPAT
SESSION 2021-2022 (11.04.2022 to 19.07.2022)

Weekly Lesson Plan (Even Semester)

Name of the Paper:- Logical Organisation Class: B.Sc. Cs (2nd sem)

Name of the Teachers (Section wise): Deepty Juneja

WEEK	DATE	TOPICS
1	April (11-16)	Introduction of Number Systems, Types of Number System
		Decimal Number System(Conversion), Binary Number System(Conversion)
		Octal Number System(Conversion)
HOLIDAY - 14th APRIL (Dr. B.R. Ambedkar Jayanti /Mahavir Jayanti)		
SUNDAY - 17.04.2022		
2	April (18-23)	Hexadecimal Number System(Conversion)
		Binary Arithmetic: Addition, Subtraction, Complement Representation of Number
		Binary subtraction by complement method by 1's and 2's complement
SUNDAY - 24.04.2022		
3	April (25-30)	Representation of number in a computer system, representation of -ve number
		Arithmetic operation with normalized floating point numbers
		BCD Codes, Error detecting and correcting codes
SUNDAY - 01.05.2021		
4	May (2, 4-7)	Character Representation – ASCII, EBCDIC.
		Assignment I
HOLIDAY - 3rd May (Id-ul-Fitr / Parshuram Jayanti)		
SUNDAY - 08.05.2022		
5	May (9-14)	Binary Logic: Boolean Algebra
		Boolean Theorems
		Boolean Theorems
SUNDAY - 15.05.2022		

6	May (16-21)	Boolean Functions
		Truth Tables
		Canonical and Standard forms of Boolean functions
SUNDAY - 22.05.2022		
7	May (23-28)	Canonical and Standard forms of Boolean functions
		Canonical and Standard forms of Boolean functions
		Venn Diagram
SUNDAY - 29.05.2022		
8	May (30-31) June (1, 3-4)	Karnaugh Maps
		Karnaugh Maps
		Karnaugh Maps
HOLIDAY - 02.06.2022 (Maharana Pratap Jayanti)		
SUNDAY - 05.06.2022		
9	June (6-11)	Conditional Test
		Basic Gates – AND, OR, NOT
		Universal Gates – NAND, NOR
SUNDAY - 12.06.2022		
10	June (13, 15-18)	Other Gates – XOR, XNOR
		Combinational Circuits: Half-Adder, Full-Adder
HOLIDAY - 14.06.2022 (Sant Kabir Jayanti)		
SUNDAY - 19.06.2022		
11	June (20-25)	Half-Subtractor, Full-Subtractor
		Encoders, Decoders
		Multiplexers, Demultiplexers
SUNDAY - 26.06.2022		

12	June (27-30)	Comparators, Code Converters
		Assignment II
	July (1-2)	Introduction of Sequential Logic and its Characteristics
SUNDAY - 03.07.2022		
13	July (4-9)	Flip-Flops, Clocked RS
		JK Flip-Flop
		D type, T type
SUNDAY & HOLIDAY (Id-ul-Zuha (Bakr-Id) - 10.07.2022		
14	July (11-16)	Master-Slave flip-flops. State table
		state diagram. Flip-flop excitation tables
		Shift registers
SUNDAY - 17.07.2022		
15	July (18-19)	counters
		counters
20.07.2022 - EXAMINATION ONWARDS		

Date: 13.04.2022

I.B. (PG) COLLEGE, PANIPAT**SESSION 2021-2022 (11.04.2022 to 19.07.2022)****Weekly Lesson Plan (Even Semester)****Name of the Paper:-Number Theory And Trigonometry****Class: B.Sc. I (2nd sem)****Name of the Teachers (Section wise): Dr. Arpana Garg**

WEEK	DATE	TOPICS
1	April (11-16)	De Moivre's Theorem
		Its Examples and Problems
		Discussion
		Roots of a Complex Number
		Theorems Based on Roots of a complex Number
HOLIDAY - 14th APRIL (Dr. B.R. Ambedkar Jayanti /Mahavir Jayanti)		
SUNDAY - 17.04.2022		
2	April (18-23)	Its Examples and Problems
		Solution Of Equations
		Problems
		Expansion of Trigonometric Functions
		Formation of Equations
		Its Examples and Problems
SUNDAY - 24.04.2022		
3	April (25-30)	Expansion of Powers of Trigonometric Functions
		Expansion of Powers of Trigonometric Functions
		Problems and Test of the Chapter
		Exponential Function of complex Variable
		Problems and discussion
		Circular Function of a complex variable
SUNDAY - 01.05.2021		
4	May (2, 4-7)	Hyperbolic function
		Problems
		Seperation of Functions into real and imaginary part
		Seperation of Functions into real and imaginary part
		Logrithmic Function
HOLIDAY - 3rd May (Id-ul-Fitr / Parshuram Jayanti)		
SUNDAY - 08.05.2022		
5	May (9-14)	Exponential Function
		Problems
		Inverse Trigonometry Function
		Inverse Trigonometry Function
		Inverse Hyperbolic Function
		Problems
SUNDAY - 15.05.2022		

6	May (16-21)	Gregory's Series
		Summation of series
		Summation of series
		Method of Difference
		C+iS method of Summation
		Problems and Discussion
SUNDAY - 22.05.2022		
7	May (23-28)	Types of C+iS Method Problems
		Problem Discussion
		Test
		Divisibility
		Principle of Mathematical Induction
		Examples
SUNDAY - 29.05.2022		
8	May (30-31) June (1, 3-4)	Problems
		Division Algorithm
		Division Algorithm
		Examples
		Fundamental Theorem of Arithmetic
HOLIDAY - 02.06.2022 (Maharana Pratap Jayanti)		
SUNDAY - 05.06.2022		
9	June (6-11)	Examples
		Congruences
		Linear Congruence
		Examples
		Problems
		Problems
SUNDAY - 12.06.2022		
10	June (13, 15-18)	Diophantine Equation
		Examples
		Problems
		Fermat Theorem
		Examples
HOLIDAY -14.06.2022 (Sant Kabir Jayanti)		
SUNDAY - 19.06.2022		
11	June (20-25)	Wilson's Theorem
		Wilson's Theorem
		Examples
		Problems
		Euler's Function
		Examples
SUNDAY - 26.06.2022		

12	June (27-30)	Examples
		Problems
		Residue System
	July (1-2)	Chinese Remainder Theorem
		Examples
		Quadratic Residue
SUNDAY - 03.07.2022		
13	July (4-9)	Theorems Based on Roots of a complex Number
		Examples
		Quadratic Reciprocity Law
		Examples
		Problems
		Some Functions of Number Theory
SUNDAY & HOLIDAY (Id-ul-Zuha (Bakr-Id) - 10.07.2022		
14	July (11-16)	Greatest Integer Function
		Examples
		Arithmetic Functions
		Mobius Function
		Mobius Function
		Examples
SUNDAY - 17.07.2022		
15	July (18-19)	Test
		Revision
20.07.2022 - EXAMINATION ONWARDS		

Date: 13.04.2022

I.B. (PG) COLLEGE, PANIPAT
SESSION 2021-2022 (11.04.2022 to 19.07.2022)

Weekly Lesson Plan (Even Semester)

Name of the Paper:- Paper II Microbiology (Biotechnology)

Class: BS.c1st (IInd Sem)

Name of the Teachers (Section wise): Anjushree Saraswal

WEEK	DATE	TOPICS
1	April (11-16)	Definition and history of microbiology: contribution of Antony leeuwenhock, Louis Pasteur, Robert Koch.
		Koch
		Microscope Construction and working principles.
HOLIDAY - 14th APRIL (Dr. B.R. Ambedkar Jayanti / Mahavir Jayanti)		
SUNDAY - 17.04.2022		
2	April (18-23)	Types of microscope: Compound, Dark field and phase contrast microscope.
		Types of microscope: Fluorescence and electron microscope
		Types of microscope: Fluorescence and electron microscope
SUNDAY - 24.04.2022		
3	April (25-30)	Microbial techniques: Sterilization: Principles and applications. Physical methods
		Microbial techniques: Chemical methods; Alcohols, Aldehydes, phenols, Halogens and gaseous agents
		Microbial techniques: Radiation Methods; UV rays and gamma rays
SUNDAY - 01.05.2021		
4	May (2, 4-7)	Stains and staining techniques: Principles of staining.
		Types of stains: Simple stains, structural and Differential stains.
HOLIDAY - 3rd May (Id-ul-Fitr / Parshuram Jayanti)		
SUNDAY - 08.05.2022		
5	May (9-14)	Microbial taxonomy: Concept and classification..
		General account Bacteria: characteristics of Bacteria Forms of Bacteria
		Gram positive and gram negative Bacteria
SUNDAY - 15.05.2022		

6	May (16-21)	Cell structure: Ultra structure of bacterial cell including endospore and capsule
		Reproduction in Bacteria: Asexual reproduction, endospore formation.
		Assignment
SUNDAY - 22.05.2022		
7	May (23-28)	Bacterial life styles and economic importance of Bacteria.
		General account Viruses : History, structure and classification
		Structure of Plant virus: :CaMV
SUNDAY -29.05.2022		
8	May (30-31) June (1, 3-4)	Structure of Animal virus and Bacterial virus : Hepatitis B, Lamda phage
		Pathogenic Microorganisms :Tetanus and Pulmonary Tuberculosis
		Pathogenic Microorganisms: Pneumonia and Cholera.
HOLIDAY - 02.06.2022 (Maharana Pratap Jayanti)		
SUNDAY - 05.06.2022		
9	June (6-11)	Pathogenic Microorganisms : Viral Diseases : AIDS (HIV)
		Microbial growth and metabolism: Basic requirements of a microbial culture medium
		Pattern of microbial growth, equipments for microbial growth
SUNDAY - 12.06.2022		
10	June (13, 15-18)	Types of microbial culture procedures and measurements of microbial growth
		Types of microbial culture procedures and measurements of microbial growth
		Microbial metabolism
HOLIDAY -14.06.2022 (Sant Kabir Jayanti)		
SUNDAY - 19.06.2022		
11	June (20-25)	Microbial metabolism
		Microbial metabolism
		Microbial metabolism
SUNDAY - 26.06.2022		

12	June (27-30)	Photosynthetic apparatus in Prokaryotes
		Origin of photosynthetic apparatus: Autotrophs, Photoautotrophs, oxygenic photophosphorylation
	July (1-2)	Origin of photosynthetic apparatus: Autotrophs, Photoautotrophs, oxygenic photophosphorylation
SUNDAY - 03.07.2022		
13	July (4-9)	Origin of photosynthetic apparatus: Autotrophs, Photoautotrophs, oxygenic photophosphorylation
		Anoxygenic photophosphorylation.
		Anoxygenic photophosphorylation.
SUNDAY & HOLIDAY (Id-ul-Zuha (Bakr-Id) - 10.07.2022		
14	July (11-16)	Krebs cycle
		Dark phase (Calvin Cycle)
		Dark phase (Calvin Cycle)
SUNDAY - 17.07.2022		
15	July (18-19)	Test
		Revision
20.07.2022 - EXAMINATION ONWARDS		

Date: 13.04.2022

I.B. (PG) COLLEGE, PANIPAT
SESSION 2021-2022 (11.04.2022 to 19.07.2022)

Weekly Lesson Plan (Even Semester)

Name of the Paper:-Paper-II (Biochemistry II)

Class: BSc I Sem: IInd

Name of the Teachers (Section wise): Anjushree Saraswal

WEEK	DATE	TOPICS
1	April (11-16)	
		Enzymes: Introduction, active site ,energy of activation, transition state hypothesis.
		Enzymes: lock and Key hypothesis Induced fit hypothesis, KM, V max, MM equation.
HOLIDAY - 14th APRIL (Dr. B.R. Ambedkar Jayanti /Mahavir Jayanti)		
SUNDAY - 17.04.2022		
2	April (18-23)	
SUNDAY - 24.04.2022		
3	April (25-30)	
		Enzymes: lock and Key hypothesis Induced fit hypothesis, KM, V max, MM equation.
		Lineweaver Burk Plot/Double reciprocal plot.
		Enzymes: effect of pH, temperature on enzyme activity introduction.
SUNDAY - 01.05.2021		
4	May (2, 4-7)	
		Allosteric enzymes (A brief account)
		Enzymes inhibition: Competitive.
		Enzymes inhibition: non competitive
HOLIDAY - 3rd May (Id-ul-Fitr / Parshuram Jayanti)		
SUNDAY - 08.05.2022		
5	May (9-14)	
		Enzymes inhibition: un competitive inhibition
		Vitamins : Introduction Fat soluble vitamins
		vitamins: Types and structure of water soluble vitamins and their coenzyme derivatives

SUNDAY - 15.05.2022

6	May (16-21)	
		Vitamins: Deficiency symptoms and dietary sources
		Steroid Hormones: structure and importance Steroid Hormones: structure and importance
SUNDAY - 22.05.2022		
7	May (23-28)	
		Steroid Hormones: structure and importance Metabolism: General introduction, catabolism and anabolism Metabolism: General introduction, catabolism and anabolism
SUNDAY - 29.05.2022		
8	May (30-31) June (1, 3-4)	
		Peptide hormones : structure and importance of important peptide hormones
		Peptide hormones : structure and importance of important peptide hormones
HOLIDAY - 02.06.2022 (Maharana Pratap Jayanti)		
SUNDAY - 05.06.2022		
9	June (6-11)	
		Carbohydrates metabolism:Glycolysis.. Carbohydrates metabolism :Tricarboxylic acid cycle Lipid metabolism:β-oxidation of fatty acids
		Assignments
SUNDAY - 12.06.2022		
10	June (13, 15-18)	
HOLIDAY -14.06.2022 (Sant Kabir Jayanti)		
SUNDAY - 19.06.2022		
11	June (20-25)	
		Carbohydrates metabolism :Tricarboxylic acid cycle contd.. Lipid Metabolism: β-oxidation of fatty acids. Lipid Metabolism: β-oxidation of fatty acids.
SUNDAY - 26.06.2022		

12	June (27-30)	
	July (1-2)	Lipid Metabolism: β -oxidation of fatty acids.
		Lipid Metabolism: β -oxidation of fatty acids.
	Synthesis of Fatty acids.	
SUNDAY - 03.07.2022		
13	July (4-9)	
		Synthesis of Fatty acids.
	Amino acid Metabolism: Transamination	
	Amino acid Metabolism: Transamination	
SUNDAY & HOLIDAY (Id-ul-Zuha (Bakr-Id) - 10.07.2022		
14	July (11-16)	
		Urea cycle
	Different classes of oxidation and synthesis of amino acids.	
	Glycogenic and ketogenic amino acids	
SUNDAY - 17.07.2022		
15	July (18-19)	
		Revision
20.07.2022 - EXAMINATION ONWARDS		

Date: 13.04.2022

I.B. (PG) COLLEGE, PANIPAT
SESSION 2021-2022 (11.04.2022 to 19.07.2022)

Weekly Lesson Plan (Even Semester)

UG (2nd / 4th / 6th Semester)

&

PG (2nd / 4th)

Name of the Paper:-PHYSICAL CHEMISTRY

Class:-B.Sc Ist Year (II Sem)

Name of the Teachers (Section wise):-Dr. Vikram Kumar

WEEK	DATE	TOPICS
1	April (11-16)	Kinetics Rate of reaction, rate equation and its types, factors influencing the rate of a reaction – concentration.
HOLIDAY - 14th APRIL (Dr. B.R. Ambedkar Jayanti /Mahavir Jayanti)		
SUNDAY - 17.04.2022		
2	April (18-23)	Factors influencing the rate of a reaction – concentration, temperature, pressure, solvent, light, catalyst
SUNDAY - 24.04.2022		
3	April (25-30)	Order of a reaction, integrated rate expression for zero order reactions
SUNDAY - 01.05.2021		
4	May (2, 4-7)	Integrated rate expression for first order, second and third order reactions
HOLIDAY - 3rd May (Id-ul-Fitr / Parshuram Jayanti)		
SUNDAY - 08.05.2022		
5	May (9-14)	Half life period of a reaction. Effect of temperature on the rate of reaction – Arrhenius equation.
SUNDAY - 15.05.2022		

6	May (16-21)	Theories of reaction rate – Simple collision theory for unimolecular collision. Transition state theory of bimolecular reactions.
SUNDAY - 22.05.2022		
7	May (23-28)	Electrochemistry Electrolytic conduction, factors affecting electrolytic conduction, specific conductance, molar conductance, equivalent conductance and relation among them, their variation with concentration.
SUNDAY - 29.05.2022		
8	May (30-31) June (1, 3-4)	Arrhenius theory of ionization, Ostwald's Dilution Law. Debye- Huckel – Onsager's equation for strong electrolytes (elementary treatment only)
HOLIDAY - 02.06.2022 (Maharana Pratap Jayanti)		
SUNDAY - 05.06.2022		
9	June (6-11)	Application of Kohlrausch's Law in calculation of conductance of weak electrolytes at infinite dilution.
SUNDAY - 12.06.2022		
10	June (13, 15-18)	Applications of conductivity measurements: determination of degree of dissociation
HOLIDAY -14.06.2022 (Sant Kabir Jayanti)		
SUNDAY - 19.06.2022		
11	June (20-25)	Determination of K_a of acids determination of solubility product of sparingly soluble salts
SUNDAY - 26.06.2022		

12	June (27-30) July (1-2)	Conductometric titrations
SUNDAY - 03.07.2022		
13	July (4-9)	Concepts of pH and pKa, Buffer solution, Buffer action,
SUNDAY & HOLIDAY (Id-ul-Zuha (Bakr-Id) - 10.07.2022		
14	July (11-16)	Henderson – Hazel equation, Buffer mechanism of buffer action.
SUNDAY - 17.07.2022		
15	July (18-19)	CLASS TEST
20.07.2022 - EXAMINATION ONWARDS		

Date: 13.04.2022

I.B. (PG) COLLEGE, PANIPAT
SESSION 2021-2022 (11.04.2022 to 19.07.2022)

Weekly Lesson Plan (Even Semester)

UG (2nd Semester)

Name of the Paper:-Semiconductor Devices

Class: B.Sc

Name of the Teachers (Section wise): Garima Tarika

WEEK	DATE	TOPICS
1	April (11-16)	Unit I: Semiconductors
		Energy bands in solids, Intrinsic and extrinsic semiconductors, carrier mobility and
		electrical resistivity of semiconductors
HOLIDAY - 14th APRIL (Dr. B.R. Ambedkar Jayanti /Mahavir Jayanti)		
SUNDAY - 17.04.2022		
2	April (18-23)	Hall effect, p-n junction diode and their
		characteristics, Zener and Avalanche breakdown,
SUNDAY - 24.04.2022		
3	April (25-30)	Zener diode, Zener diode as a voltage
		regulator. Light emitting diodes (LED)
		Photoconduction in semiconductors, Photodiode,
		Solar Cell,
SUNDAY - 01.05.2021		
4	May (2, 4-7)	p-n junction as a rectifier, half wave and full wave rectifiers (with derivation)
		filters
HOLIDAY - 3rd May (Id-ul-Fitr / Parshuram Jayanti)		
SUNDAY - 08.05.2022		
5	May (9-14)	Unit 2: Transistors
		Junction transistors, Working of NPN and PNP transistors, Three
		transistor (C-B, C-E, C-C modes)
SUNDAY - 15.05.2022		

6	May (16-21)	Common base, common emitter and common collector characteristics of transistor, Constants of a transistor and their
SUNDAY - 22.05.2022		
7	May (23-28)	Advantages and disadvantages of C-E configuration. D.C. load line
		Transistor biasing
		various methods of transistor biasing and stabilization.
SUNDAY - 29.05.2022		
8	May (30-31) June (1, 3-4)	Unit 3: Transistor Amplifiers
		Amplifiers, Classification of amplifiers, common base
HOLIDAY - 02.06.2022 (Maharana Pratap Jayanti)		
SUNDAY - 05.06.2022		
9	June (6-11)	common emitter amplifiers, coupling of amplifiers
		Conditional Test
SUNDAY -		various methods of coupling, Resistance- Capacitance (RC)
10		coupled amplifier (two stage, concept of band width, no derivation),
		Feedback in amplifiers, advantages of negative feedback,
HOLIDAY -14.06.2022 (Sant Kabir Jayanti)		
SUNDAY - 19.06.2022		
11	June (20-25)	emitter follower, distortion in amplifiers.
		Numericals
		Unit 4: Oscillators
		Oscillators, Principle of oscillation
SUNDAY - 26.06.2022		

12	June (27-30)	classification of oscillators, Condition for self
	July (1-2)	sustained oscillation: Barkhausen criterion for oscillation,
SUNDAY - 03.07.2022		
13	July (4-9)	Tuned collector common emitter oscillator
		, Hartley oscillator, C.R.O. (Principle and Working).
SUNDAY & HOLIDAY (Id-ul-Zuha (Bakr-Id) - 10.07.2022		
14	July (11-16)	Revision
		Revision
		Revision
SUNDAY - 17.07.2022		
15	July (18-19)	
20.07.2022 - EXAMINATION ONWARDS		

Date: 13.04.2022

I.B. (PG) COLLEGE, PANIPAT
SESSION 2021-2022 (11.04.2022 to 19.07.2022)

Weekly Lesson Plan (Even Semester)

Name of the Paper:- Programming in C

Class: B.Sc. CS (2nd Sem)

Name of the Teachers (Section wise): Deepty Juneja

WEEK	DATE	TOPICS
1	April (11-16)	
		Overview of C: History & Importance of C, Structure of a C Program
HOLIDAY - 14th APRIL (Dr. B.R. Ambedkar Jayanti /Mahavir Jayanti)		
SUNDAY - 17.04.2022		
2	April (18-23)	
		Elements of C: C character set, identifiers and keywords Data types, Constants Variables, Assignment statement, Symbolic constant.
SUNDAY - 24.04.2022		
3	April (25-30)	
		Input/output: Unformatted & formatted I/O function Input/output: Unformatted & formatted I/O function Input/output: Unformatted & formatted I/O function
SUNDAY - 01.05.2021		
4	May (2, 4-7)	
		Operators & Expression Operators & Expression Operators & Expression
HOLIDAY - 3rd May (Id-ul-Fitr / Parshuram Jayanti)		
SUNDAY - 08.05.2022		
5	May (9-14)	
		type casting and conversion, operator hierarchy & associativity. Decision making & branching Decision making & branching
SUNDAY - 15.05.2022		

6	May (16-21)	
		Decision making & branching
		switch statement, goto statement
		Assignment I
SUNDAY - 22.05.2022		
7	May (23-28)	
		looping: For, while
		do-while loop, jumps in loops
		Break, Continue statement
SUNDAY - 29.05.2022		
8	May (30-31) June (1, 3-4)	
		Functions: Definition, prototype
		Functions: Definition, prototype
HOLIDAY - 02.06.2022 (Maharana Pratap Jayanti)		
SUNDAY - 05.06.2022		
9	June (6-11)	
		passing parameters, recursion.
		passing parameters, recursion.
		Conditional Test I
SUNDAY - 12.06.2022		
10	June (13, 15-18)	
		Storage classes in C
		Storage classes in C
		Storage classes in C
HOLIDAY - 14.06.2022 (Sant Kabir Jayanti)		
SUNDAY - 19.06.2022		
11	June (20-25)	
		Arrays: Definition, types
		Assignment II
		initialization, processing an array
SUNDAY - 26.06.2022		

12	June (27-30)	
	July (1-2)	initialization, processing an array
		Programming (Arrays)
		Programming (Arrays)
	SUNDAY - 03.07.2022	
13	July (4-9)	
		Structure
		Structure
		Structure
SUNDAY & HOLIDAY (Id-ul-Zuha (Bakr-Id) - 10.07.2022		
14	July (11-16)	
		Union
		Union
		Revision
SUNDAY - 17.07.2022		
15	July (18-19)	
20.07.2022 - EXAMINATION ONWARDS		

Date: 13.04.2022

I.B. (PG) COLLEGE, PANIPAT
SESSION 2021-2022 (11.04.2022 to 19.07.2022)

Weekly Lesson Plan (Even Semester)

UG (2nd / 4th / 6th Semester) & PG (2nd / 4th)

Name of the Paper:- Life and Diversity from Annelida to Arthropoda & Genetics - I Class: B.Sc. Medical 2nd semester

Name of the Teachers (Section wise): BHAWNA MALIK

WEEK	DATE	TOPICS
1	April (11-16)	
		General characters phylum Annelida Elements of Heredity and variations
HOLIDAY - 14th APRIL (Dr. B.R. Ambedkar Jayanti /Mahavir Jayanti)		
SUNDAY - 17.04.2022		
2	April (18-23)	
		classification up to order level phylum Annelida The varieties of gene interactions class activity
SUNDAY - 24.04.2022		
3	April (25-30)	
		Biodiversity and economic importance of Annelida Linkage and recombination : Coupling and repulsion hypothesis Linkage and recombination : crossing-over and chiasma formation
SUNDAY - 01.05.2021		
4	May (2, 4-7)	
		Linkage and recombination : gene mapping Type study – Pheretima (Earthworm) Type study – Pheretima (Earthworm)
HOLIDAY - 3rd May (Id-ul-Fitr / Parshuram Jayanti)		
SUNDAY - 08.05.2022		
5	May (9-14)	
		Type study – Pheretima (Earthworm) Type study – Pheretima (Earthworm) Sex determination and its mechanism : male and female heterozygous systems
SUNDAY - 15.05.2022		

6	May (16-21)	
		Metamerism in Annelida class activity Sex determination and its mechanism : genetic balance system; role of Y-chromosome, male haploidy
SUNDAY - 22.05.2022		
7	May (23-28)	
		Trochophore larva Trochophore larva Sex determination and its mechanism : cytoplasmic and environmental factors, role of hormones in sex determination.
SUNDAY -29.05.2022		
8	May (30-31) June (1, 3-4)	
		General characters phylum Arthropoda Sex linked inheritance : Haemophilia and colour blindness in man
HOLIDAY - 02.06.2022 (Maharana Pratap Jayanti)		
SUNDAY - 05.06.2022		
9	June (6-11)	
		classification up to order level phylum Arthropoda Sex linked inheritance : eye colour in Drosophila, Non-disjunction of sex-chromosome in Drosophila Sex-linked and sex-influenced inheritance
SUNDAY - 12.06.2022		
10	June (13, 15-18)	
		Biodiversity and economic importance of insects Extra chromosomal and cytoplasmic inheritance: i) Kappa particles in Paramecium Extra chromosomal and cytoplasmic inheritance: ii) Shell coiling in snails.
HOLIDAY -14.06.2022 (Sant Kabir Jayanti)		
SUNDAY - 19.06.2022		
11	June (20-25)	
		Extra chromosomal and cytoplasmic inheritance: iii) Milk factor in mice. Type study – Grasshopper Type study – Grasshopper
SUNDAY - 26.06.2022		

12	June (27-30)	
	July (1-2)	revision
		revision
		class test
SUNDAY - 03.07.2022		
13	July (4-9)	
		revision
		revision
		class test
SUNDAY & HOLIDAY (Id-ul-Zuha (Bakr-Id) - 10.07.2022		
14	July (11-16)	
		revision
		revision
		class test
SUNDAY - 17.07.2022		
15	July (18-19)	
20.07.2022 - EXAMINATION ONWARDS		