

I.B. (PG) COLLEGE, PANIPAT**LESSON PLAN****SESSION 2023-24 (05.08.2023 to 24.11.2023)****Weekly Lesson Plan (Odd Semester)****UG (1st / III / V - Semester) IIIrd Sem****Name of the Paper:- Immunology****Class: BSc.IInd****Name of the Teachers (Section Wise) : Ms.Anjushree**

WEEK	DATE	TOPICS
1	August (5)	
SUNDAY - 06.08.2023		
2	August (7-12)	Introduction of Immune System Introduction of Immune System Immunity
SUNDAY - 13.08.2023		
3	August (14-19)	Immunity Immunity Cell of immune system
HOLIDAY - 15.08.2023 - INDEPENDENCE DAY		
SUNDAY - 20.08.2023		
4	August (21-26)	Cell of immune system Cell of immune system Organ of immune system
SUNDAY - 27.08.2023		
5	August (28-29, 31) September (1-2)	Organ of immune system Organ of immune system Organ of immune system
HOLIDAY - 30.08.2023 - RAKSHABANDHAN		
SUNDAY - 03.09.2023		
6	September (4-5, 7-9)	Antigen Antigen Antigen
HOLIDAY - 06.09.2023 - JANAMASHTMI		
SUNDAY - 10.09.2023		
7	September (11-16)	Antibody Antibody Antibody
SUNDAY - 17.09.2023		
8	September (18-22)	Antibody Antigen antibody interaction Antigen antibody interaction

HOLIDAY 23.09.2023 - SHAHEEDI DIVAS/HARYANA WAR HEROES' MARTYRDOM DAY		
SUNDAY - 24.09.2023		
9	September (25-30)	
		Antigen antibody interaction Immune response Immune response
SUNDAY - 01.10.2023		
HOLIDAY - 02.10.2023 MAHATMA GANDHI JAYANTI		
10	October (3-7)	
SUNDAY - 08.10.2023		
11	October (9-14)	
		Immune response Major Histocompatibility Complex Major Histocompatibility Complex
SUNDAY - 15.10.2023 & HOLIDAY (MAHARAJA AGRASEN JAYANTI)		
12	October (16-21)	
		Role of MHC molecules Role of MHC molecules Role of MHC molecules
SUNDAY - 22.10.2023		
13	October (23, 25-27)	
		Assignments Complement system Complement system
HOLIDAY - 24.10.2023 DUSSEHRA		
HOLIDAY 28.10.2023 - MAHARISHI VALMIKI JAYANTI		
SUNDAY -29.10.2023		
14	October (30-31) November (2-4)	
		Complement system Hypersensitivity Hypersensitivity
HOLIDAY 01.11.2023 - HARYANA DAY		
15	November (6-9)	
Diwali Break - 10.11.2023 to 16.11.2023		
16	November (17-18)	Hypersensitivity
		Vaccine
SUNDAY - 19.11.2023		
17	November (20-24)	
		Vaccine Revision Test
25.11.2023 - Examinations		

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Weekly Lesson Plan (Odd Semester)

Name of the Paper:- Sanskrit

Class: B.SC III Sem

Name of the Teachers (Section Wise) : Dr. Anjali

WEEK	DATE	TOPICS
1	August (5)	संस्कृत भाषा व तत्सम्बद्ध साहित्य का परिचय
SUNDAY - 06.08.2023		
2	August (7-12)	ईशस्तवः पाठाध्ययनम्
SUNDAY - 13.08.2023		
3	August (14-19)	वयं त्वां भजामः
HOLIDAY - 15.08.2023 - INDEPENDENCE DAY		
SUNDAY - 20.08.2023		
4	August (21-26)	धर्मज्ञः रामः
SUNDAY - 27.08.2023		
5	August (28-29, 31) September (1-2)	साधुव्रतं चर
HOLIDAY - 30.08.2023 - RAKSHABANDHAN		
SUNDAY - 03.09.2023		
6	September (4-5, 7-9)	विभीषणस्य विलापः
HOLIDAY - 06.09.2023 - JANAMASHTMI		
SUNDAY - 10.09.2023		
7	September (11-16)	अनुशासनम्
SUNDAY - 17.09.2023		
8	September (18-22)	सद्वृत्तम्

HOLIDAY 23.09.2023 - SHAHEEDI DIVAS/HARYANA WAR HEROES' MARTYRDOM DAY		
SUNDAY - 24.09.2023		
9	September (25-30)	बुद्धिर्यस्य बलं तस्य
SUNDAY - 01.10.2023		
HOLIDAY - 02.10.2023 MAHATMA GANDHI JAYANTI		
10	October (3-7)	नीलवर्णः शृगालः
SUNDAY - 08.10.2023		
11	October (9-14)	शशकस्य चातुर्यम्
SUNDAY - 15.10.2023 & HOLIDAY (MAHARAJA AGRASEN JAYANTI)		
12	October (16-21)	शब्दरूपाणि(राम, देव, फल)
SUNDAY - 22.10.2023		
13	October (23, 25-27)	शब्दरूपाणि(मुनि, साधु, मातृ, तद्)
HOLIDAY - 24.10.2023 DUSSEHRA		
HOLIDAY 28.10.2023 - MAHARISHI VALMIKI JAYANTI		
SUNDAY -29.10.2023		
14	October (30-31) November (2-4)	वर्णसन्धि
HOLIDAY 01.11.2023 - HARYANA DAY		
15	November (6-9)	पुनरावृत्ति
Diwali Break - 10.11.2023 to 16.11.2023		
16	November (17-18)	पुनरावृत्ति
SUNDAY - 19.11.2023		
17	November (20-24)	पुनरावृत्ति
25.11.2023 - Examinations		

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Weekly Lesson Plan (Odd Semester)

UG (1st / III / V - Semester) : IIIrd

Name of the Paper:- Life and Diversity of Chordates I

Class: BSc IInd

Name of the Teachers (Section Wise) : KIRTI

WEEK	DATE	TOPICS
1	August (5)	
SUNDAY - 06.08.2023		
2	August (7-12)	Phylum Chordata origin, Evolution and Classification Phylum Chordata origin, Evolution and Classification
SUNDAY - 13.08.2023		
3	August (14-19)	Subphylum Urochordata HERDMANIA - type study HERDMANIA - type study
HOLIDAY - 15.08.2023 - INDEPENDENCE DAY		
SUNDAY - 20.08.2023		
4	August (21-26)	HERDMANIA - type study HERDMANIA - type study TEST
SUNDAY - 27.08.2023		
5	August (28-29, 31) September (1-2)	Subphylum Cephalochordata AMPHIOXUS - type study
HOLIDAY - 30.08.2023 - RAKSHABANDHAN		
SUNDAY - 03.09.2023		
6	September (4-5, 7-9)	AMPHIOXUS - type study AMPHIOXUS - type study
HOLIDAY - 06.09.2023 - JANAMASHTMI		
SUNDAY - 10.09.2023		
7	September (11-16)	AMPHIOXUS - type study AMPHIOXUS - type study REVISION
SUNDAY - 17.09.2023		
8	September (18-22)	Class Chondrichthyes Class Chondrichthyes

HOLIDAY 23.09.2023 - SHAHEEDI DIVAS/HARYANA WAR HEROES' MARTYRDOM DAY		
SUNDAY - 24.09.2023		
9	September (25-30)	Class Chondrichthyes
		Class Osteichthyes
SUNDAY - 01.10.2023		
HOLIDAY - 02.10.2023 MAHATMA GANDHI JAYANTI		
10	October (3-7)	Class Osteichthyes
		Type study <i>Labeo rohita</i>
SUNDAY - 08.10.2023		
11	October (9-14)	Type study <i>Labeo rohita</i>
		Type study <i>Labeo rohita</i>
		Type study <i>Labeo rohita</i>
SUNDAY - 15.10.2023 & HOLIDAY (MAHARAJA AGRASEN JAYANTI)		
12	October (16-21)	Type study Petromyzon
		Type study Petromyzon
		Type study Petromyzon
SUNDAY - 22.10.2023		
13	October (23, 25-27)	Type study Petromyzon
		TEST
HOLIDAY - 24.10.2023 DUSSEHRA		
HOLIDAY 28.10.2023 - MAHARISHI VALMIKI JAYANTI		
SUNDAY -29.10.2023		
14	October (30-31) November (2-4)	SCALES AND FINS
		SCALES AND FINS
		ASSIGNMENT
HOLIDAY 01.11.2023 - HARYANA DAY		
15	November (6-9)	PARENTAL CARE IN FISHES
		PARENTAL CARE IN FISHES
Diwali Break - 10.11.2023 to 16.11.2023		
16	November (17-18)	
SUNDAY - 19.11.2023		
17	November (20-24)	FISH MIGRATION
		REVISION
		TEST
25.11.2023 - Examinations		

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Weekly Lesson Plan (Odd Semester)

UG (1st / III / V - Semester) : IIIrd

Name of the Paper:-Molecular Biology Class:

BSc II Sem -IIIrd

Name of the Teachers (Section Wise) : KIRTI

WEEK	DATE	TOPICS
1	August (5)	Introduction to molecular aspects of life
SUNDAY - 06.08.2023		
2	August (7-12)	Introduction to molecular aspects of life DNA as the genetic material DNA as the genetic material
SUNDAY - 13.08.2023		
3	August (14-19)	Nucleic acids Nucleic acids Nucleic acids
HOLIDAY - 15.08.2023 - INDEPENDENCE DAY		
SUNDAY - 20.08.2023		
4	August (21-26)	Organization of Genomes Organization of Genomes Eukaryotic genomes
SUNDAY - 27.08.2023		
5	August (28-29, 31) September (1-2)	Eukaryotic genomes Euchromatin, heterochromatin Euchromatin, heterochromatin Chromatin structure (nucleosome)
HOLIDAY - 30.08.2023 - RAKSHABANDHAN		
SUNDAY - 03.09.2023		
6	September (4-5, 7-9)	Insertion elements & transposons
HOLIDAY - 06.09.2023 - JANAMASHTMI		
SUNDAY - 10.09.2023		
7	September (11-16)	Insertion elements & transposons DNA Replication DNA Replication
SUNDAY - 17.09.2023		
8	September (18-22)	DNA damage and repair DNA damage and repair Assingment

HOLIDAY 23.09.2023 - SHAHEEDI DIVAS/HARYANA WAR HEROES' MARTYRDOM DAY		
SUNDAY - 24.09.2023		
9	September (25-30)	Genetic Code
		Transcription in prokaryots
		Transcription in prokaryots
SUNDAY - 01.10.2023		
HOLIDAY - 02.10.2023 MAHATMA GANDHI JAYANTI		
10	October (3-7)	Transcription in Eukaryots
		Transcription in Eukaryots
SUNDAY - 08.10.2023		
11	October (9-14)	Translation/Protein synthesis
		Translation/Protein synthesis
		Translation/Protein synthesis
SUNDAY - 15.10.2023 & HOLIDAY (MAHARAJA AGRASEN JAYANTI)		
12	October (16-21)	Regulation of Gene Expression
		Regulation of Gene Expression
		Regulation of Gene Expression
SUNDAY - 22.10.2023		
13	October (23, 25-27)	TEST
		REVISION
HOLIDAY - 24.10.2023 DUSSEHRA		
HOLIDAY 28.10.2023 - MAHARISHI VALMIKI JAYANTI		
SUNDAY -29.10.2023		
14	October (30-31) November (2-4)	Regulation of Gene Expression
HOLIDAY 01.11.2023 - HARYANA DAY		
15	November (6-9)	Molecular mechanisms of DNA
		Molecular mechanisms of DNA
Diwali Break - 10.11.2023 to 16.11.2023		
16	November (17-18)	
SUNDAY - 19.11.2023		
17	November (20-24)	TEST
		TEST
25.11.2023 - Examinations		

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Weekly Lesson Plan (Odd Semester)

UG (III Semester)

Name of the Paper:- Physical Chemistry Class:

B.Sc. 2nd Year

Name of the Teachers (Section Wise) : Dr. Mohammad Isaq

WEEK	DATE	TOPICS
1	August (5)	Hawan Ceremony
SUNDAY - 06.08.2023		
2	August (7-12)	Thermodynamics Definition of thermodynamic terms: system, surrounding etc. Types of systems, intensive and extensive properties.
SUNDAY - 13.08.2023		
3	August (14-19)	State and path functions and their differentials. Thermodynamic process. Thermodynamic equilibrium,
HOLIDAY - 15.08.2023 - INDEPENDENCE DAY		
SUNDAY - 20.08.2023		
4	August (21-26)	Concept of heat and work. First law of thermodynamics: statement, concepts of internal energy and enthalpy.
SUNDAY - 27.08.2023		
5	August (28-29, 31) September (1-2)	Heat capacity, heat capacities at constant volume and pressure and their relationship.
HOLIDAY - 30.08.2023 - RAKSHABANDHAN		
SUNDAY - 03.09.2023		
6	September (4-5, 7-9)	Joule– Thomson coefficient for ideal gas and real gas and inversion temperature.
HOLIDAY - 06.09.2023 - JANAMASHTMI		
SUNDAY - 10.09.2023		
7	September (11-16)	Calculation of w, q, for the expansion of ideal gases under isothermal and adiabatic conditions for reversible process.
SUNDAY - 17.09.2023		
8	September (18-22)	Calculation of d U & d H for the expansion of ideal gases under isothermal and adiabatic conditions for reversible process.

HOLIDAY 23.09.2023 - SHAHEEDI DIVAS/HARYANA WAR HEROES' MARTYRDOM DAY		
SUNDAY - 24.09.2023		
9	September (25-30)	Chemical Equilibrium Equilibrium constant and free energy, concept of chemical potential,
SUNDAY - 01.10.2023		
HOLIDAY - 02.10.2023 MAHATMA GANDHI JAYANTI		
10	October (3-7)	Thermodynamic derivation of law of chemical equilibrium. Temperature dependence of equilibrium constant.
SUNDAY - 08.10.2023		
11	October (9-14)	Clausius– Clapeyron equation and its applications.
SUNDAY - 15.10.2023 & HOLIDAY (MAHARAJA AGRASEN JAYANTI)		
12	October (16-21)	Distribution Law Nernst distribution law – its thermodynamic derivation,
SUNDAY - 22.10.2023		
13	October (23, 25-27)	Applications of distribution law: (i) Determination of degree of hydrolysis and hydrolysis constant of aniline hydrochloride
HOLIDAY - 24.10.2023 DUSSEHRA		
HOLIDAY 28.10.2023 - MAHARISHI VALMIKI JAYANTI		
SUNDAY -29.10.2023		
14	October (30-31) November (2-4)	(i i) Determination of equilibrium constant of potassium tri - iodide complex
HOLIDAY 01.11.2023 - HARYANA DAY		
15	November (6-9)	(i i i) Process of extraction. More stress on numerical problems.
Diwali Break - 10.11.2023 to 16.11.2023		
16	November (17-18)	Revision
SUNDAY - 19.11.2023		
17	November (20-24)	Revision
25.11.2023 - Examinations		

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Weekly Lesson Plan (Odd Semester)

UG (V Semester)

Name of the Paper:- Organic Chemistry Class:

B.Sc. 3rd Year

Name of the Teachers (Section Wise) : Prof. Ranjana Sharma

WEEK	DATE	TOPICS
1	August (5)	Hawan Ceremony
SUNDAY - 06.08.2023		
2	August (7-12)	Carbohydrates Classification and nomenclature of Monosaccharides, mechanism of osazone formation, interconversion of glucose and fructose,
SUNDAY - 13.08.2023		
3	August (14-19)	chain lengthening and chain shortening of aldoses. Configuration of monosaccharides. Erythro and threo diastereomers.
HOLIDAY - 15.08.2023 - INDEPENDENCE DAY		
SUNDAY - 20.08.2023		
4	August (21-26)	Conversion of glucose into mannose. Formation of glycosides,
SUNDAY - 27.08.2023		
5	August (28-29, 31) September (1-2)	Determination of ring size of glucose and fructose. Open chain and cyclic structure of D(+)- glucose & D(-) fructose.
HOLIDAY - 30.08.2023 - RAKSHABANDHAN		
SUNDAY - 03.09.2023		
6	September (4-5, 7-9)	Mechanism of mutarotation. Structures of ribose and deoxyribose.
HOLIDAY - 06.09.2023 - JANAMASHTMI		
SUNDAY - 10.09.2023		
7	September (11-16)	An introduction to disaccharides (maltose, sucrose and lactose) and polysaccharides (starch and cellulose) without involving structure determination.
SUNDAY - 17.09.2023		
8	September (18-22)	Organometallic Compounds Organomagnesium compounds: the Grignard reagents- formation, structure and chemical reactions.

HOLIDAY 23.09.2023 - SHAHEEDI DIVAS/HARYANA WAR HEROES' MARTYRDOM DAY		
SUNDAY - 24.09.2023		
9	September (25-30)	Organozinc compounds: formation and chemical reactions. Organolithium compounds: formation and chemical reactions.
SUNDAY - 01.10.2023		
HOLIDAY - 02.10.2023 MAHATMA GANDHI JAYANTI		
10	October (3-7)	NMR Spectroscopy Principle of nuclear magnetic resonance, the PMR spectrum, number of signals, peak areas, equivalent and nonequivalent protons
SUNDAY - 08.10.2023		
11	October (9-14)	positions of signals and chemical shift, shielding and deshielding of protons,
SUNDAY - 15.10.2023 & HOLIDAY (MAHARAJA AGRASEN JAYANTI)		
12	October (16-21)	proton counting, splitting of signals and coupling constants, magnetic equivalence of protons.
SUNDAY - 22.10.2023		
13	October (23, 25-27)	Discussion of PMR spectra of the molecules: ethyl bromide, n-propyl bromide, isopropyl bromide, 1,1-dibromoethane, ethanol,
HOLIDAY - 24.10.2023 DUSSEHRA		
HOLIDAY 28.10.2023 - MAHARISHI VALMIKI JAYANTI		
SUNDAY -29.10.2023		
14	October (30-31) November (2-4)	acetaldehyde, ethyl acetate, toluene, benzaldehyde and acetophenone..
HOLIDAY 01.11.2023 - HARYANA DAY		
15	November (6-9)	Simple problems on PMR spectroscopy for structure determination of organic compounds.
Diwali Break - 10.11.2023 to 16.11.2023		
16	November (17-18)	Revision
SUNDAY - 19.11.2023		
17	November (20-24)	Revision
25.11.2023 - Examinations		

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Weekly Lesson Plan (Odd Semester)

UG (1st / III / V - Semester) III rd

Name of the Paper: Biology and Diversity of seed Plants

Class: Bsc.IInd

Name of the Teachers (Section Wise) : Dr. Nidhan Singh

WEEK	DATE	TOPICS
1	August (5)	
SUNDAY - 06.08.2023		
2	August (7-12)	Seed Plants-Intro
		Seed Plants-Diversity
		General Characters-Gymnosperms
SUNDAY - 13.08.2023		
3	August (14-19)	General Characters-Gymnosperms
		General Characters-Gymnosperms
HOLIDAY - 15.08.2023 - INDEPENDENCE DAY		
SUNDAY - 20.08.2023		
4	August (21-26)	Classification of Gymnosperms
		Classification of Gymnosperms
		Geological Time Table
SUNDAY - 27.08.2023		
5	August (28-29, 31) September (1-2)	Geological Time Table
		Heterospory to Seed Habit
HOLIDAY - 30.08.2023 - RAKSHABANDHAN		
SUNDAY - 03.09.2023		
6	September (4-5, 7-9)	Evolution of Seed Habit
		Introduction to Palaeobotany
HOLIDAY - 06.09.2023 - JANAMASHTMI		
SUNDAY - 10.09.2023		
7	September (11-16)	Fossils and Fossilization
		Fossils and Fossilization
		Study and Importance of Fossils
SUNDAY - 17.09.2023		
8	September (18-22)	Study and Importance of Fossils
		<i>Lygionopteris</i>
		<i>Williamsonia</i>

HOLIDAY 23.09.2023 - SHAHEEDI DIVAS/HARYANA WAR HEROES' MARTYRDOM DAY		
SUNDAY - 24.09.2023		
9	September (25-30)	<i>Cycadaeioidea</i>
SUNDAY - 01.10.2023		
HOLIDAY - 02.10.2023 MAHATMA GANDHI JAYANTI		
10	October (3-7)	<i>Cycas</i> - Introduction and Morphology
		<i>Cycas</i> - Coralloid Roots, Rachis Anatomy
SUNDAY - 08.10.2023		
11	October (9-14)	<i>Cycas</i> - Reproductive Morphology
		<i>Cycas</i> - Male Cone Details
		<i>Pinus</i> - Introduction and Morphology
SUNDAY - 15.10.2023 & HOLIDAY (MAHARAJA AGRASEN JAYANTI)		
12	October (16-21)	<i>Pinus</i> - Morphology, Shoot types
		<i>Pinus</i> - Anatomy of Needle, Spur
		<i>Pinus</i> - Reproductive Morphology
SUNDAY - 22.10.2023		
13	October (23, 25-27)	<i>Pinus</i> - Male Cone, Male Gametopyte
		<i>Pinus</i> - Dev. Female Gametophyte
HOLIDAY - 24.10.2023 DUSSEHRA		
HOLIDAY 28.10.2023 - MAHARISHI VALMIKI JAYANTI		
SUNDAY -29.10.2023		
14	October (30-31) November (2-4)	Assignments
		<i>Ephedra</i> - Morphology
HOLIDAY 01.11.2023 - HARYANA DAY		
15	November (6-9)	<i>Ephedra</i> - Morphology
		<i>Ephedra</i> - Anatomy
		<i>Ephedra</i> - Reproduction
Diwali Break - 10.11.2023 to 16.11.2023		
16	November (17-18)	
SUNDAY - 19.11.2023		
17	November (20-24)	Test
		Test
		Test
25.11.2023 - Examinations		

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Weekly Lesson Plan (Odd Semester)

UG (III - Semester)

Name of the Paper:- II (Mammalian Physiology-I)

Class: B.Sc. (Zoology)

Name of the Teachers (Section Wise) : Pawan Kumar

WEEK	DATE	TOPICS
1	August (5)	Introduction Biochemistry
SUNDAY - 06.08.2023		
2	August (7-12)	Introduction of Proteins classification of Proteins structure, function & properties of Proteins
SUNDAY - 13.08.2023		
3	August (14-19)	Introduction of carbohydrates classification of carbohydrates structure, function & properties of carbohydrates
HOLIDAY - 15.08.2023 - INDEPENDENCE DAY		
SUNDAY - 20.08.2023		
4	August (21-26)	Introduction of Lipids classification of Lipids structure, function & properties of Lipids
SUNDAY - 27.08.2023		
5	August (28-29, 31) September (1-2)	Introduction of Enzymes classification of Enzymes mechanism of Enzymes
HOLIDAY - 30.08.2023 - RAKSHABANDHAN		
SUNDAY - 03.09.2023		
6	September (4-5, 7-9)	Transport through Biomembranes Transport through Biomembranes Transport through Biomembranes
HOLIDAY - 06.09.2023 - JANAMASHTMI		
SUNDAY - 10.09.2023		
7	September (11-16)	Transport through Biomembranes Buffers in human body
SUNDAY - 17.09.2023		
8	September (18-22)	Class Test Nutrition Nutrition

HOLIDAY 23.09.2023 - SHAHEEDI DIVAS/HARYANA WAR HEROES' MARTYRDOM DAY		
SUNDAY - 24.09.2023		
9	September (25-30)	
		Nutrition
		Nutrition
SUNDAY - 01.10.2023		
HOLIDAY - 02.10.2023 MAHATMA GANDHI JAYANTI		
10	October (3-7)	
		Nutrition
		Nutrition
SUNDAY - 08.10.2023		
11	October (9-14)	
		Assignment
		Mussal Physiology
SUNDAY - 15.10.2023 & HOLIDAY (MAHARAJA AGRASEN JAYANTI)		
12	October (16-21)	
		Mussal Physiology
		Mussal Physiology
SUNDAY - 22.10.2023		
13	October (23, 25-27)	
		Mussal Physiology
		Mussal Physiology
HOLIDAY - 24.10.2023 DUSSEHRA		
HOLIDAY 28.10.2023 - MAHARISHI VALMIKI JAYANTI		
SUNDAY -29.10.2023		
14	October (30-31) November (2-4)	
		Bones- structure and types
		Bones- classification
HOLIDAY 01.11.2023 - HARYANA DAY		
15	November (6-9)	
		Bones- growth and resorption
		Bones- growth and resorption
Diwali Break - 10.11.2023 to 16.11.2023		
16	November (17-18)	Bones- effect of ageing and disorders
		Bones- effect of ageing and disorders
SUNDAY - 19.11.2023		
17	November (20-24)	
		Class Test
		revision
25.11.2023 - Examinations		

I.B. (PG) COLLEGE, PANIPAT
LESSON PLAN
SESSION 2023-24 (05.08.2023 to 24.11.2023)

Weekly Lesson Plan (Odd Semester)

UG (1st / III / V - Semester) IIIrd

Name of the Paper:- Plant Anatomy

Class:B.Sc IInd

Name of the Teachers (Section Wise) : Ms.Rajni

WEEK	DATE	TOPICS
1	August (5)	Diversity in plant forms
SUNDAY - 06.08.2023		
2	August (7-12)	
		Diversity in plant forms
		Diversity in plant forms
SUNDAY - 13.08.2023		
3	August (14-19)	
		Tissues meristematic and permanent
		Tissues meristematic and permanent
HOLIDAY - 15.08.2023 - INDEPENDENCE DAY		
SUNDAY - 20.08.2023		
4	August (21-26)	
		Tissues meristematic and permanent
		Tissues meristematic and permanent
SUNDAY - 27.08.2023		
5	August (28-29, 31) September (1-2)	
		The shoot system
		The shoot system
		The shoot system
HOLIDAY - 30.08.2023 - RAKSHABANDHAN		
SUNDAY - 03.09.2023		
6	September (4-5, 7-9)	
		Structure of dicot stem
		Structure of dicot stem
		Structure of dicot stem
HOLIDAY - 06.09.2023 - JANAMASHTMI		
SUNDAY - 10.09.2023		
7	September (11-16)	
		Secondary growth in dicot stem
		Secondary growth in dicot stem
SUNDAY - 17.09.2023		
8	September (18-22)	
		Cambium Structure and functions
		Cambium Structure and functions

HOLIDAY 23.09.2023 - SHAHEEDI DIVAS/HARYANA WAR HEROES' MARTYRDOM DAY		
SUNDAY - 24.09.2023		
9	September (25-30)	
		Structure of monocot stem
		Structure of monocot stem
SUNDAY - 01.10.2023		
HOLIDAY - 02.10.2023 MAHATMA GANDHI JAYANTI		
10	October (3-7)	
		Secondary growth in dicot stem
		Secondary growth in dicot stem
		Secondary growth in dicot stem
SUNDAY - 08.10.2023		
11	October (9-14)	
		Periderm
		Periderm
SUNDAY - 15.10.2023 & HOLIDAY (MAHARAJA AGRASEN JAYANTI)		
12	October (16-21)	
		Anomalous Secondary growth in <i>Dracaena</i>
		Anomalous Secondary growth in <i>Boerhaavia</i>
SUNDAY - 22.10.2023		
13	October (23, 25-27)	
		assignment
		test
HOLIDAY - 24.10.2023 DUSSEHRA		
HOLIDAY 28.10.2023 - MAHARISHI VALMIKI JAYANTI		
SUNDAY -29.10.2023		
14	October (30-31) November (2-4)	
		Phyllotaxy
		Phyllotaxy
		Leaf types simple and compound
HOLIDAY 01.11.2023 - HARYANA DAY		
15	November (6-9)	Epidermis and Epidermal appendages
		Stomata and their morphological types
		Structural modification in storage root
Diwali Break - 10.11.2023 to 16.11.2023		
16	November (17-18)	Anatomy of dicot and monocot leaf
		Leaf abscission
SUNDAY - 19.11.2023		
17	November (20-24)	
		Secondary growth in dicot Root
		Structure of monocot root
25.11.2023 - Examinations		

I.B. (PG) COLLEGE, PANIPAT
LESSON PLAN
SESSION 2023-24 (05.08.2023 to 24.11.2023)

Weekly Lesson Plan (Odd Semester)

UG (III - Semester)

Name of the Paper:- SANSKRIT COMPULSARY

Class:BSC.IIInd

Name of the Teachers (Section Wise) : SONIA VERMA

WEEK	DATE	TOPICS
1	August (5)	
SUNDAY - 06.08.2023		
2	August (7-12)	
SUNDAY - 13.08.2023		
3	August (14-19)	
HOLIDAY - 15.08.2023 - INDEPENDENCE DAY		
SUNDAY - 20.08.2023		
4	August (21-26)	
SUNDAY - 27.08.2023		
5	August (28-29, 31) September (1-2)	भाषा व पाठयक्रम की जानकारी प्रदान की तथा पाठ-1(अनुशासनम्)
HOLIDAY - 30.08.2023 - RAKSHABANDHAN		
SUNDAY - 03.09.2023		
6	September (4-5, 7-9)	पाठ-2 (सद्वृत्तम्)+यण् सन्धि
HOLIDAY - 06.09.2023 - JANAMASHTMI		
SUNDAY - 10.09.2023		
7	September (11-16)	पाठ-3(बुद्धिर्यस्य बलं तस्य)+अयादि सन्धि
SUNDAY - 17.09.2023		
8	September (18-22)	पाठ-4(नीलवर्णःशृगालः)+गुण सन्धि शब्दरूप
HOLIDAY 23.09.2023 - SHAHEEDI DIVAS/HARYANA WAR HEROES' MARTYRDOM DAY		

SUNDAY - 24.09.2023		
9	September (25-30)	पाठ-1(ईशस्तवः)+ वृद्धि सन्धि
SUNDAY - 01.10.2023		
HOLIDAY - 02.10.2023 MAHATMA GANDHI JAYANTI		
10	October (3-7)	पाठ-2(वयं त्वां भजामः)+रामःशब्दरूप व फलम् शब्दरूप
SUNDAY - 08.10.2023		
11	October (9-14)	पाठ-3(धर्मज्ञो रामः)+ लता शब्दरूप
SUNDAY - 15.10.2023 & HOLIDAY (MAHARAJA AGRASEN JAYANTI)		
12	October (16-21)	पाठ-4(साधुव्रतं चर)+मुनि शब्दरूप
SUNDAY - 22.10.2023		
13	October (23, 25-27)	पाठ-5(विभीषणस्य विलापः)+साधु शब्दरूप
HOLIDAY - 24.10.2023 DUSSEHRA		
HOLIDAY 28.10.2023 - MAHARISHI VALMIKI JAYANTI		
SUNDAY -29.10.2023		
14	October (30-31) November (2-4)	पाठ-5(शशकस्य चातुर्यम्)+मातृ शब्दरूप
HOLIDAY 01.11.2023 - HARYANA DAY		
15	November (6-9)	तद् शब्दरूप
Diwali Break - 10.11.2023 to 16.11.2023		
16	November (17-18)	
SUNDAY - 19.11.2023		
17	November (20-24)	अस्मद् व युष्मद् शब्दरूप
25.11.2023 - Examinations		

I.B. (PG) COLLEGE, PANIPAT
LESSON PLAN
SESSION 2023-24 (05.08.2023 to 24.11.2023)

Weekly Lesson Plan (Odd Semester)

Name of the Paper:- Sanskrit

Class:B.SC III Sem

Name of the Teachers (Section Wise) : Dr. Anjali

WEEK	DATE	TOPICS
1	August (5)	संस्कृत भाषा व तत्सम्बद्ध साहित्य का परिचय
SUNDAY - 06.08.2023		
2	August (7-12)	ईशस्तवः पाठाध्ययनम्
SUNDAY - 13.08.2023		
3	August (14-19)	वयं त्वां भजामः
HOLIDAY - 15.08.2023 - INDEPENDENCE DAY		
SUNDAY - 20.08.2023		
4	August (21-26)	धर्मज्ञः रामः
SUNDAY - 27.08.2023		
5	August (28-29, 31) September (1-2)	साधुव्रतं चर
HOLIDAY - 30.08.2023 - RAKSHABANDHAN		
SUNDAY - 03.09.2023		
6	September (4-5, 7-9)	विभीषणस्य विलापः
HOLIDAY - 06.09.2023 - JANAMASHTMI		
SUNDAY - 10.09.2023		
7	September (11-16)	अनुशासनम्
SUNDAY - 17.09.2023		
8	September (18-22)	सद्वृत्तम्

HOLIDAY 23.09.2023 - SHAHEEDI DIVAS/HARYANA WAR HEROES' MARTYRDOM DAY		
SUNDAY - 24.09.2023		
9	September (25-30)	बुद्धिर्यस्य बलं तस्य
SUNDAY - 01.10.2023		
HOLIDAY - 02.10.2023 MAHATMA GANDHI JAYANTI		
10	October (3-7)	नीलवर्णः शृगालः
SUNDAY - 08.10.2023		
11	October (9-14)	शशकस्य चातुर्यम्
SUNDAY - 15.10.2023 & HOLIDAY (MAHARAJA AGRASEN JAYANTI)		
12	October (16-21)	शब्दरूपाणि(राम, देव, फल)
SUNDAY - 22.10.2023		
13	October (23, 25-27)	शब्दरूपाणि(मुनि, साधु, मातृ, तद्)
HOLIDAY - 24.10.2023 DUSSEHRA		
HOLIDAY 28.10.2023 - MAHARISHI VALMIKI JAYANTI		
SUNDAY -29.10.2023		
14	October (30-31) November (2-4)	वर्णसन्धि
HOLIDAY 01.11.2023 - HARYANA DAY		
15	November (6-9)	पुनरावृत्ति
Diwali Break - 10.11.2023 to 16.11.2023		
16	November (17-18)	पुनरावृत्ति
SUNDAY - 19.11.2023		
17	November (20-24)	पुनरावृत्ति
25.11.2023 - Examinations		

I.B. (PG) COLLEGE, PANIPAT
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Weekly Lesson Plan (Odd Semester)

UG (III - Semester)

Name of the Paper:- Advanced Calculus

Class: B.Sc.II

Name of the Teachers (Section Wise) : Dr. Poonam Gupta

WEEK	DATE	TOPICS
1	August (5)	
SUNDAY - 06.08.2023		
2	August (7-12)	Indeterminate Forms
		Indeterminate Forms
		Indeterminate Forms
		Indeterminate Forms
		Indeterminate Forms
SUNDAY - 13.08.2023		
3	August (14-19)	Indeterminate Forms
		Continuity of Functions
		Continuity of Functions
		Uniform Continuity
HOLIDAY - 15.08.2023 - INDEPENDENCE DAY		
SUNDAY - 20.08.2023		
4	August (21-26)	Uniform Continuity
		Chain rule of differentiability
		Rolle's Theorem
		Rolle's Theorem
		Lagrange mean Value Theorem
SUNDAY - 27.08.2023		
5	August (28-29, 31) September (1-2)	Cauchy Mean Value Theorem
		Taylor's Theorem
		Taylor's Theorem
		Problems Discussion
HOLIDAY - 30.08.2023 - RAKSHABANDHAN		
SUNDAY - 03.09.2023		
6	September (4-5, 7-9)	Limit and Continuity of functions of two variables
		Limit and Continuity of functions of two variables
		Partial Differentiation
		Euler's Theorem
		Examples on Euler's Theorem
HOLIDAY - 06.09.2023 - JANAMASHTMI		
SUNDAY - 10.09.2023		
7	September (11-16)	Total Differentials
		Composit Functions
		Change of Variables
		Change of Variables
		Taylor's Theorem for functions of two variables
SUNDAY - 17.09.2023		
8	September (18-22)	Taylor's Theorem for functions of two variables
		Test
		Differentiability of functions of two variables
		Differentiability of functions of two variables
		Schwarz Theorem

HOLIDAY 23.09.2023 - SHAHEEDI DIVAS/HARYANA WAR HEROES' MARTYRDOM DAY		
SUNDAY - 24.09.2023		
9	September (25-30)	Schwarz Theorem
		Young's Theorem
		Young's Theorem
		Implicit function Theorem
		Maxima and Minima of a function of two variables
SUNDAY - 01.10.2023		
HOLIDAY - 02.10.2023 MAHATMA GANDHI JAYANTI		
10	October (3-7)	Maxima and Minima of a function of two variables
		Lagrange's method of Multipliers
		Lagrange's method of Multipliers
		Lagrange's method of Multipliers
SUNDAY - 08.10.2023		
11	October (9-14)	Curves in Space
		Tangent to a Curve
		length of arc of Curve
		Principal Normals
		Binormals
SUNDAY - 15.10.2023 & HOLIDAY (MAHARAJA AGRASEN JAYANTI)		
12	October (16-21)	Binormals
		Serret-Frenet Formula
		Serret-Frenet Formula
		Locus of the centre of curvature
		Spherical Curvature
SUNDAY - 22.10.2023		
13	October (23, 25-27)	Spherical Curvature
		Locus of Centre of Spherical Curvature
		Locus of Centre of Spherical Curvature
		Involutes
		Involutes
HOLIDAY - 24.10.2023 DUSSEHRA		
HOLIDAY 28.10.2023 - MAHARISHI VALMIKI JAYANTI		
SUNDAY -29.10.2023		
14	October (30-31) November (2-4)	Evolutes
		Evolutes
		Bertrand Curve
		Bertrand Curve
HOLIDAY 01.11.2023 - HARYANA DAY		
15	November (6-9)	surfaces:Tangent Planes
		surfaces:Tangent Planes
		One parameter family of surfaces
		Envelopes
Diwali Break - 10.11.2023 to 16.11.2023		
16	November (17-18)	Envelopes
		Envelopes
SUNDAY - 19.11.2023		
17	November (20-24)	Revision
		Revision
		Revision
		Revision
		Revision
25.11.2023 - Examinations		

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Weekly Lesson Plan (Odd Semester)

UG - 3rd Semester)

Name of the Paper:- Statics (Mathematics)

Class: B.Sc.-II

Name of the Teachers (Section Wise) : Ms. Kanak Sharma, Ms. Bhawna

WEEK	DATE	TOPICS
1	August (5)	Basic definitions
SUNDAY - 06.08.2023		
2	August (7-12)	Mechanics and its Branches, Forces Acting at a Point, Parallelogram Law of Forces, Questions based on Parallelogram Law of Forces
SUNDAY - 13.08.2023		
3	August (14-19)	Resolved parts of a force, Triangle Law of Forces, Questions based on Triangle Law of Forces, Lami's Theorem, Questions based on Lami's Theorem
HOLIDAY - 15.08.2023 - INDEPENDENCE DAY		
SUNDAY - 20.08.2023		
4	August (21-26)	Polygon law of Forces, Condition for Equilibrium of Forces and Questions based on it
SUNDAY - 27.08.2023		
5	August (28-29, 31) September (1-2)	Parallel Forces, Resultant of Parallel Forces, Centre of Parallel Forces
HOLIDAY - 30.08.2023 - RAKSHABANDHAN		
SUNDAY - 03.09.2023		
6	September (4-5, 7-9)	Moments and Couples
HOLIDAY - 06.09.2023 - JANAMASHTMI		
SUNDAY - 10.09.2023		
7	September (11-16)	Analytical Conditions of Equilibrium of Coplanar Forces, Equilibrium of three force acting at a point, Equilibrium of any number of coplanar forces
SUNDAY - 17.09.2023		
8	September (18-22)	Laws of Friction, Articles and questions based on Friction, Equilibrium of Rods and Ladders

HOLIDAY 23.09.2023 - SHAHEEDI DIVAS/HARYANA WAR HEROES' MARTYRDOM DAY		
SUNDAY - 24.09.2023		
9	September (25-30)	Centre of Gravity, Articles and questions based on Centre of Gravity
SUNDAY - 01.10.2023		
HOLIDAY - 02.10.2023 MAHATMA GANDHI JAYANTI		
10	October (3-7)	Virtual Work, Principle of virtual work
SUNDAY - 08.10.2023		
11	October (9-14)	Forces in Three Dimensions, Parallelopiped law of forces, Condition of equilibrium .Poinsot's central axis
SUNDAY - 15.10.2023 & HOLIDAY (MAHARAJA AGRASEN JAYANTI)		
12	October (16-21)	Invariants, Equation of central axis and questions based on it
SUNDAY - 22.10.2023		
13	October (23, 25-27)	Wrenches and articles based on it
HOLIDAY - 24.10.2023 DUSSEHRA		
HOLIDAY 28.10.2023 - MAHARISHI VALMIKI JAYANTI		
SUNDAY -29.10.2023		
14	October (30-31) November (2-4)	Wrenches and Questions based on it, Null Lines
HOLIDAY 01.11.2023 - HARYANA DAY		
15	November (6-9)	Null Lines and Null Planes: Articles and Questions based on it
Diwali Break - 10.11.2023 to 16.11.2023		
16	November (17-18)	Stable and Unstable Equilibrium: Articles and Questions based on it
SUNDAY - 19.11.2023		
17	November (20-24)	Stable and Unstable Equilibrium: Articles and Questions based on it
25.11.2023 - Examinations		

I.B. (PG) COLLEGE, PANIPAT
LESSON PLAN
SESSION 2023-24 (05.08.2023 to 24.11.2023)

Weekly Lesson Plan (Odd Semester) 3rd sem

UG (1st / III / V - Semester)

Name of the Paper:- DATA STRUCTURE

Class:B.Sc.

Name of the Teachers (Section Wise) : Milan Sharma

WEEK	DATE	TOPICS
1	August (5)	
SUNDAY - 06.08.2023		
2	August (7-12)	Introduction: Elementary data organization Data Structure definition Data type vs. data structure
SUNDAY - 13.08.2023		
3	August (14-19)	Categories of data structures Data structure operations group discussion
HOLIDAY - 15.08.2023 - INDEPENDENCE DAY		
SUNDAY - 20.08.2023		
4	August (21-26)	Applications of data structures Algorithms complexity and time-space tradeof Big-O notation
SUNDAY - 27.08.2023		
5	August (28-29, 31) September (1-2)	Strings: Introduction, String ,String operations Pattern matching algorithms
HOLIDAY - 30.08.2023 - RAKSHABANDHAN		
SUNDAY - 03.09.2023		
6	September (4-5, 7-9)	Arrays: Introduction, Linear arrays Representation of linear array in memory
HOLIDAY - 06.09.2023 - JANAMASHTMI		
SUNDAY - 10.09.2023		
7	September (11-16)	Traversal, Insertions, Deletion in an array Multidimensional arrays, Parallel arrays, Sparce matrices Linked List: Introduction, Array vs. linked list
SUNDAY - 17.09.2023		
8	September (18-22)	Representation of linked lists in memory Traversal, Insertion, Deletion Searching in a linked list, Header linked list

HOLIDAY 23.09.2023 - SHAHEEDI DIVAS/HARYANA WAR HEROES' MARTYRDOM DAY		
SUNDAY - 24.09.2023		
9	September (25-30)	CONDITIONAL TEST
		Circular linked list, Two-way linked list
		Garbage collection, Applications of linked lists
SUNDAY - 01.10.2023		
HOLIDAY - 02.10.2023 MAHATMA GANDHI JAYANTI		
10	October (3-7)	Algorithms for Insertion
		deletion in array
		Single linked list
SUNDAY - 08.10.2023		
11	October (9-14)	ASSIGNMENT -2
		Stack: Introduction
		Array and linked representation of stacks
SUNDAY - 15.10.2023 & HOLIDAY (MAHARAJA AGRASEN JAYANTI)		
12	October (16-21)	Operations on stacks
		Applications of stacks: Polish notation, Recursion
		Queues: Introduction
SUNDAY - 22.10.2023		
13	October (23, 25-27)	Array and linked representation of queues
		Operations on queues
		Deque, Priority Queues, Applications of queues
HOLIDAY - 24.10.2023 DUSSEHRA		
HOLIDAY 28.10.2023 - MAHARISHI VALMIKI JAYANTI		
SUNDAY -29.10.2023		
14	October (30-31) November (2-4)	Tree: Introduction, Definition
		Representing Binary tree in memory, Traversing binary trees
HOLIDAY 01.11.2023 - HARYANA DAY		
15	November (6-9)	Traversal algorithms using stacks and using recursion
		Graph: Introduction, Graph theory terminology
Diwali Break - 10.11.2023 to 16.11.2023		
16	November (17-18)	Graph: Introduction, Graph theory terminology
		Sequential and linked representation of graphs
SUNDAY - 19.11.2023		
17	November (20-24)	
		REVISION
		REVISION
25.11.2023 - Examinations		

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Weekly Lesson Plan (Odd Semester)

UG (3rd - Semester)

Name of the Paper:- Partial Differential Equations

Class: B. Sc. - II

Name of the Teachers (Section Wise) : Sangeeta

WEEK	DATE	TOPICS
1	August (5)	
SUNDAY - 06.08.2023		
2	August (7-12)	Order, Degree and Formation of PDE
		Formation of PDE by Eliminating the Arbitrary Function
		First Order Linear and Non-Linear PDE
SUNDAY - 13.08.2023		
3	August (14-19)	Solution of First order Linear and Non-Linear PDE
		Solution of Lagrange's Linear Equations
HOLIDAY - 15.08.2023 - INDEPENDENCE DAY		
SUNDAY - 20.08.2023		
4	August (21-26)	Examples and Questions Related to Lagrange's Linear Equations
		Charpit's Method
		Jacobi's Method
SUNDAY - 27.08.2023		
5	August (28-29, 31) September (1-2)	Second and Higher Order Linear Partial Differential Equations
		Solution of Homogeneous Linear PDE with Constant Coefficients
HOLIDAY - 30.08.2023 - RAKSHABANDHAN		
SUNDAY - 03.09.2023		
6	September (4-5, 7-9)	C.F. of Non-Homogeneous Linear PDE with Constant Coefficients
		Examples and Questions
HOLIDAY - 06.09.2023 - JANAMASHTMI		
SUNDAY - 10.09.2023		
7	September (11-16)	P.I. of Non-Homogeneous Linear PDE with Constant Coefficients
		Examples
		Partial Differential Equation with Variable Coefficients
SUNDAY - 17.09.2023		
8	September (18-22)	Solution of PDE with Variable Coefficients
		Examples
		Equations Reducible to Linear Equations with Constant Coefficients

HOLIDAY 23.09.2023 - SHAHEEDI DIVAS/HARYANA WAR HEROES' MARTYRDOM DAY		
SUNDAY - 24.09.2023		
9	September (25-30)	Classification of Second-Order Linear PDE
		Reduction of Hyperbolic Equation to its Canonical Form
		Reduction of Parabolic Equation to the Canonical Form
SUNDAY - 01.10.2023		
HOLIDAY - 02.10.2023 MAHATMA GANDHI JAYANTI		
10	October (3-7)	Reduction of Elliptic Equation to the Canonical Form
		Solution of Linear Hyperbolic Equations by Reimann's Method
SUNDAY - 08.10.2023		
11	October (9-14)	Monge's Methods for Second Order PDE
		Examples and Questions Related to Monge's Method
		Characteristics of Second Order PDE
SUNDAY - 15.10.2023 & HOLIDAY (MAHARAJA AGRASEN JAYANTI)		
12	October (16-21)	Cauchy's Problem
		Examples
		Wave, Heat and Laplace Equations
SUNDAY - 22.10.2023		
13	October (23, 25-27)	Method of Separation of Variables for 1-D Wave Equation
		Method of Separation of Variables for 2-D Wave Equation
HOLIDAY - 24.10.2023 DUSSEHRA		
HOLIDAY 28.10.2023 - MAHARISHI VALMIKI JAYANTI		
SUNDAY -29.10.2023		
14	October (30-31) November (2-4)	Solution of One-Dimensional Heat Equation
		Solution of Two-Dimensional Heat Equation
HOLIDAY 01.11.2023 - HARYANA DAY		
SUNDAY - 05.11.2023		
15	November (6-9)	Solution of One-Dimensional Laplace Equation
		Solution of Two-Dimensional Laplace Equation
		Examples
Diwali Break - 10.11.2023 to 16.11.2023		
16	November (17-18)	
SUNDAY - 19.11.2023		
17	November (20-24)	Revision
		Revision
		Revision
25.11.2023 - Examinations		

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Weekly Lesson Plan (Odd Semester)

UG (III Semester)

Name of the Paper:- Organic Chemistry

Class: B.Sc. 2nd Year

Name of the Teachers (Section Wise) : Prof. Ranjana Sharma

WEEK	DATE	TOPICS
1	August (5)	Hawan Ceremony
SUNDAY - 06.08.2023		
2	August (7-12)	Monohydric alcohols, nomenclature, methods of formation by reduction of aldehydes, ketones, carboxylic acids and esters. Hydrogen bonding. Acidic nature. Reactions of alcohols.
SUNDAY - 13.08.2023		
3	August (14-19)	Dihydric alcohols — nomenclature, methods of formation, chemical reactions of vicinal glycols,
HOLIDAY - 15.08.2023 - INDEPENDENCE DAY		
SUNDAY - 20.08.2023		
4	August (21-26)	oxidative cleavage [Pb (OAc) 4 and HIO ₄] and pinacol- pinacolone rearrangement.
SUNDAY - 27.08.2023		
5	August (28-29, 31) September (1-2)	Phenols Nomenclature, structure and bonding. Preparation of phenols, physical properties and acidic character. Comparative acidic strengths of alcohols and phenols,
HOLIDAY - 30.08.2023 - RAKSHABANDHAN		
SUNDAY - 03.09.2023		
6	September (4-5, 7-9)	resonance stabilization of phenoxide ion. Reactions of phenols — electrophilic aromatic substitution, Mechanisms of Fries rearrangement, Claisen rearrangement,
HOLIDAY - 06.09.2023 - JANAMASHTMI		
SUNDAY - 10.09.2023		
7	September (11-16)	Reimer- Tiemann reaction, Kolbe' s reaction and Schotten and Baumann reactions.
SUNDAY - 17.09.2023		
8	September (18-22)	Epoxides Synthesis of epoxides. Acid and base- catalyzed ring opening of epoxides,

HOLIDAY 23.09.2023 - SHAHEEDI DIVAS/HARYANA WAR HEROES' MARTYRDOM DAY		
SUNDAY - 24.09.2023		
9	September (25-30)	orientation of epoxide ring opening, reactions of Grignard and organolithium reagents with epoxides.
SUNDAY - 01.10.2023		
HOLIDAY - 02.10.2023 MAHATMA GANDHI JAYANTI		
10	October (3-7)	Ultraviolet (UV) absorption spectroscopy Absorption laws (Beer- Lambert law), molar absorptivity, presentation and analysis of UV spectra, types of electronic transitions, effect of conjugation.
SUNDAY - 08.10.2023		
11	October (9-14)	Concept of chromophore and auxochrome. Bathochromic, hypsochromic, hyperchromic and hypochromic shifts. UV spectra of conjugated enes and enones,
SUNDAY - 15.10.2023 & HOLIDAY (MAHARAJA AGRASEN JAYANTI)		
12	October (16-21)	Woodward- Fieser rules, calculation of λ_{max} of simple conjugated dienes and α, β -unsaturated ketones.
SUNDAY - 22.10.2023		
13	October (23, 25-27)	Applications of UV Spectroscopy in structure elucidation of simple organic compounds.
HOLIDAY - 24.10.2023 DUSSEHRA		
HOLIDAY 28.10.2023 - MAHARISHI VALMIKI JAYANTI		
SUNDAY -29.10.2023		
14	October (30-31) November (2-4)	Carboxylic Acids & Acid Derivatives Nomenclature of Carboxylic acids, structure and bonding, physical properties, acidity of carboxylic acids, effects of substituents on acid strength.
HOLIDAY 01.11.2023 - HARYANA DAY		
15	November (6-9)	Preparation of carboxylic acids. Reactions of carboxylic acids. Hell- Volhard- Zelinsky reaction. Reduction of carboxylic acids. Mechanism of decarboxylation.
Diwali Break - 10.11.2023 to 16.11.2023		
16	November (17-18)	Relative stability of acyl derivatives. Physical properties, interconversion of acid derivatives by nucleophilic acyl substitution.
SUNDAY - 19.11.2023		
17	November (20-24)	Mechanisms of esterification and hydrolysis (acidic and basic).
25.11.2023 - Examinations		

I.B. (PG) COLLEGE, PANIPAT

LESSON PLAN

SESSION 2023-24 (05.08.2023 to 24.11.2023)

Weekly Lesson Plan (Odd Semester)

UG (1st / III / V - Semester)

Name of the Paper:- SOFTWARE ENGINEERING

Class: BSc. II CS

Name of the Teachers (Section Wise) : MILAN

WEEK	DATE	TOPICS
1	August (5)	
SUNDAY - 06.08.2023		
2	August (7-12)	Introduction: Program vs. Software, Software Engineering, Programming paradigms,
SUNDAY - 13.08.2023		
3	August (14-19)	Software Crisis – problem and causes, Phases in Software development: Requirement Analysis
HOLIDAY - 15.08.2023 - INDEPENDENCE DAY		
SUNDAY - 20.08.2023		
4	August (21-26)	Software Design, Coding, Testing, Maintenance Software Development Process Models Waterfall, Prototype, Evolutionary and Spiral models
SUNDAY - 27.08.2023		
5	August (28-29, 31) September (1-2)	Role of Metrics. Assignment Feasibility Study, Software Requirement Analysis and Specifications: SRS
HOLIDAY - 30.08.2023 - RAKSHABANDHAN		
SUNDAY - 03.09.2023		
6	September (4-5, 7-9)	Need for SRS, Characteristics of an SRS, Components of an SRS, Problem Analysis Information gathering tools, Organizing and structuring information, Requirement specification
HOLIDAY - 06.09.2023 - JANAMASHTMI		
SUNDAY - 10.09.2023		
7	September (11-16)	validation and Verification. . SCM conditional
SUNDAY - 17.09.2023		
8	September (18-22)	Structured Analysis and Tools: Data Flow Diagram, Data Dictionary, Decision table, Decision tress, Structured English, Entity-Relationship diagrams, Cohesion and Coupling, Gantt chart, PERT Chart

HOLIDAY 23.09.2023 - SHAHEEDI DIVAS/HARYANA WAR HEROES' MARTYRDOM DAY		
SUNDAY - 24.09.2023		
9	September (25-30)	Management of Maintenance,
		Maintenance Process, maintenance characteristics.
SUNDAY - 01.10.2023		
HOLIDAY - 02.10.2023 MAHATMA GANDHI JAYANTI		
10	October (3-7)	Staffing and personnel planning
SUNDAY - 08.10.2023		
11	October (9-14)	COCOMO model, Project scheduling
		Staffing and personnel planning
SUNDAY - 15.10.2023 & HOLIDAY (MAHARAJA AGRASEN JAYANTI)		
12	October (16-21)	team structure, Assignment
		Software configuration management,
SUNDAY - 22.10.2023		
13	October (23, 25-27)	Quality assurance plans,
		Project monitoring plans
HOLIDAY - 24.10.2023 DUSSEHRA		
HOLIDAY 28.10.2023 - MAHARISHI VALMIKI JAYANTI		
SUNDAY -29.10.2023		
14	October (30-31) November (2-4)	Software testing strategies: unit testing,
		integration testing,
HOLIDAY 01.11.2023 - HARYANA DAY		
15	November (6-9)	Validation testing,
		System testing,
Diwali Break - 10.11.2023 to 16.11.2023		
16	November (17-18)	Alpha and Beta testing
		test
SUNDAY - 19.11.2023		
17	November (20-24)	revision
		revision
25.11.2023 - Examinations		

I.B. (PG) COLLEGE, PANIPAT**LESSON PLAN****SESSION 2023-24 (05.08.2023 to 24.11.2023)****Weekly Lesson Plan (Odd Semester)****UG (III - Semester)****Name of the Paper:- Wave and Optics -I****Class: B.Sc II Year****Name of the Teachers (Section Wise) : Dr Chetna Narula (Single Section)**

WEEK	DATE	TOPICS
1	August (5)	
SUNDAY - 06.08.2023		
2	August (7-12)	Unit-1: Interference I, Introduction to waves and its basics, Types of waves, related parameters Superposition principle, Young's double slit experiment
SUNDAY - 13.08.2023		
3	August (14-19)	Coherence, Conditions of interference
HOLIDAY - 15.08.2023 - INDEPENDENCE DAY		
SUNDAY - 20.08.2023		
4	August (21-26)	Fresnel's biprism and its applications to determine the wavelength of sodium light Application of Fresnel's biprism to determine thickness of a mica sheet
SUNDAY - 27.08.2023		
5	August (28-29, 31) September (1-2)	Lloyd's mirror, Difference between Bi-prism and Llyod Phase change on reflection
HOLIDAY - 30.08.2023 - RAKSHABANDHAN		
SUNDAY - 03.09.2023		
6	September (4-5, 7-9)	Doubts and Revision Unit-2 Interference II, Introduction, Interference by Division of Amplitude
HOLIDAY - 06.09.2023 - JANAMASHTMI		
SUNDAY - 10.09.2023		
7	September (11-16)	Plane parallel thin film, production of colors in thin films Classification of fringes in films, Interference due to transmitted light
SUNDAY - 17.09.2023		
8	September (18-22)	Interference due to reflected light, wedge shaped film Newton's rings, Interferometer

HOLIDAY 23.09.2023 - SHAHEEDI DIVAS/HARYANA WAR HEROES' MARTYRDOM DAY		
SUNDAY - 24.09.2023		
9	September (25-30)	Michelson's interferometer and its applications
		Doubts and Revision Test
SUNDAY - 01.10.2023		
HOLIDAY - 02.10.2023 MAHATMA GANDHI JAYANTI		
10	October (3-7)	Unit- 3: Diffraction I, Introduction and its related basics
SUNDAY - 08.10.2023		
11	October (9-14)	Fresnel's diffraction, Fresnel's assumptions
		Half period zones, rectilinear propagation of light
SUNDAY - 15.10.2023 & HOLIDAY (MAHARAJA AGRASEN JAYANTI)		
12	October (16-21)	Zone plate, Diffraction at a straight edge.
		Rectangular slit and circular aperture
SUNDAY - 22.10.2023		
13	October (23, 25-27)	Diffraction due to a narrow slit and wire
HOLIDAY - 24.10.2023 DUSSEHRA		
HOLIDAY 28.10.2023 - MAHARISHI VALMIKI JAYANTI		
SUNDAY -29.10.2023		
14	October (30-31) November (2-4)	Doubts and Revision Test
		Unit -4: Diffraction II, Fraunhofer Diffraction basics
HOLIDAY 01.11.2023 - HARYANA DAY		
15	November (6-9)	Single-slit diffraction, double-slit diffraction
		N-slit diffraction, plane transmission grating spectrum
Diwali Break - 10.11.2023 to 16.11.2023		
16	November (17-18)	
SUNDAY - 19.11.2023		
17	November (20-24)	Dispersive power of grating, limit of resolution, Rayleigh's criterion
		Resolving power of telescope and a grating. Differences between prism and grating spectra.
25.11.2023 - Examinations		

I.B. (PG) COLLEGE, PANIPAT
LESSON PLAN
SESSION 2023-24 (05.08.2023 to 24.11.2023)

Weekly Lesson Plan (Odd Semester)

UG (III - Semester)

Name of the Paper:- SANSKRIT COMPULSARY

Class:BSC.IIInd

Name of the Teachers (Section Wise) : SONIA VERMA

WEEK	DATE	TOPICS
1	August (5)	
SUNDAY - 06.08.2023		
2	August (7-12)	
SUNDAY - 13.08.2023		
3	August (14-19)	
HOLIDAY - 15.08.2023 - INDEPENDENCE DAY		
SUNDAY - 20.08.2023		
4	August (21-26)	
SUNDAY - 27.08.2023		
5	August (28-29, 31) September (1-2)	भाषा व पाठयक्रम की जानकारी प्रदान की तथा पाठ-1(अनुशासनम्)
HOLIDAY - 30.08.2023 - RAKSHABANDHAN		
SUNDAY - 03.09.2023		
6	September (4-5, 7-9)	पाठ-2 (सद्वृत्तम्)+यण् सन्धि
HOLIDAY - 06.09.2023 - JANAMASHTMI		
SUNDAY - 10.09.2023		
7	September (11-16)	पाठ-3(बुद्धिर्यस्य बलं तस्य)+अयादि सन्धि
SUNDAY - 17.09.2023		
8	September (18-22)	पाठ-4(नीलवर्णःशृगालः)+गुण सन्धि शब्दरूप
HOLIDAY 23.09.2023 - SHAHEEDI DIVAS/HARYANA WAR HEROES' MARTYRDOM DAY		

SUNDAY - 24.09.2023		
9	September (25-30)	पाठ-1(ईशस्तवः)+ वृद्धि सन्धि
SUNDAY - 01.10.2023		
HOLIDAY - 02.10.2023 MAHATMA GANDHI JAYANTI		
10	October (3-7)	पाठ-2(वयं त्वां भजामः)+रामःशब्दरूप व फलम् शब्दरूप
SUNDAY - 08.10.2023		
11	October (9-14)	पाठ-3(धर्मज्ञो रामः)+ लता शब्दरूप
SUNDAY - 15.10.2023 & HOLIDAY (MAHARAJA AGRASEN JAYANTI)		
12	October (16-21)	पाठ-4(साधुव्रतं चर)+मुनि शब्दरूप
SUNDAY - 22.10.2023		
13	October (23, 25-27)	पाठ-5(विभीषणस्य विलापः)+साधु शब्दरूप
HOLIDAY - 24.10.2023 DUSSEHRA		
HOLIDAY 28.10.2023 - MAHARISHI VALMIKI JAYANTI		
SUNDAY -29.10.2023		
14	October (30-31) November (2-4)	पाठ-5(शशकस्य चातुर्यम्)+मातृ शब्दरूप
HOLIDAY 01.11.2023 - HARYANA DAY		
15	November (6-9)	तद् शब्दरूप
Diwali Break - 10.11.2023 to 16.11.2023		
16	November (17-18)	
SUNDAY - 19.11.2023		
17	November (20-24)	अस्मद् व युष्मद् शब्दरूप
25.11.2023 - Examinations		