Teaching Term : (06.10.2021 to 22.02.2022) Weekly Lesson Plan UG (Ist / Illrd / Vth Semester)

(Odd Semester)

Name of the Paper:- immunology

Class: B.sc 2nd (Biotechnology)

Name of the Teachers (Section wise): Monika Г

WEEK	DATE	TOPICS
	October	HOLIDAY - 07.10.2021 - Maharaja Agarsen Jayanti
1	(6 - 9)	Introduction of immune system
		Introduction of immune system
		SUNDAY - 10.10.2021
2	October (11-16)	
2		History of immune system
		HOLIDAY - 15.10.2021 - DUSSEHRA
		History of immune system
	<u>.</u>	SUNDAY - 17.10.2021
3	October	Holiday - 20.10.2021 - Maharishi Valmiki Jayanti
3	(18-23)	Scope of immune system
		Innate and adaptive immunity
		Innate and adaptive immunity
		SUNDAY - 24.10.2021
4	October	
	(25 -30)	Innate and adaptive immunity
		Innate and adaptive immunity
		Innate and adaptive immunity
	VACAT	TIONS: 31.10.2021 to 07.11.2021 - DIWALI BREAK

-			
_	November		
5	(8 -13)	Cells of immune system	
		Cells of immune system	
		Organs of immune system	
		SUNDAY - 14.11.2021	
	November		
6	(15 -20)	Antigens	
		Holiday -19.11.2021 - Guru Nanak Dev Jayanti	
		Antigens SUNDAY - 21.11.2021	
7	November (22-27)		
	(22-27)	Factors affecting antigenicity	
		Antibodies	
		Antibodies	
		SUNDAY - 28.11.2021	
	November (29-30)		
8	December	Drimony and secondary immuno response	
	(1-4)	Primary and secondary immune response	
		Primary and secondary immune response	
		Primary and secondary immune response	
SUNDAY - 5.12.2021			

9 December (6-11) Cell mediated immunity Cell mediated immunity Cell mediated immunity Cell mediated immunity SUNDAY - 12.12.2021				
9 (6-11) Cell mediated immunity Cell mediated immunity Cell mediated immunity Cell mediated immunity SUNDAY - 12.12.2021				
9 (6-11) Cell mediated immunity Cell mediated immunity Cell mediated immunity Cell mediated immunity SUNDAY - 12.12.2021				
9 (6-11) Cell mediated immunity Cell mediated immunity Cell mediated immunity Cell mediated immunity SUNDAY - 12.12.2021				
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Cell mediated immunity SUNDAY - 12.12.2021 10 December (13-18)				
SUNDAY - 12.12.2021				
10 December				
10 (13-18)				
10 (13-18)				
10 (13-18)				
10 (13-18)				
Complement system				
Complement system				
SUNDAY - 19.12.2021				
December				
11 (20-25)				
Major Histocompatibility complex				
Major Histocompatibility complex				
Major Histocompatibility complex Holiday -25.12.2021 - Christmas				
Major Histocompatibility complex				
Major Histocompatibility complex Holiday -25.12.2021 - Christmas				
Major Histocompatibility complex Holiday -25.12.2021 - Christmas				
Major Histocompatibility complex Holiday -25.12.2021 - Christmas SUNDAY - 26.12.2021 December (27-31)				
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Major Histocompatibility complex Holiday -25.12.2021 - Christmas SUNDAY - 26.12.2021 December (27-31) Hypersensitivity Hypersensitivity Hypersensitivity Hypersensitivity January (1) January (3-8)				
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Major Histocompatibility complex Holiday -25.12.2021 - Christmas SUNDAY - 26.12.2021 Pecember (27-31) Hypersensitivity Hypersensitivity January (1) Hypersensitivity SUNDAY -02.01.2022 I3 January (3-8) Allergic reactions Allergic reactions Allergic reactions Allergic reactions Allergic reactions				
Major Histocompatibility complex Holiday -25.12.2021 - Christmas SUNDAY - 26.12.2021 December (27-31) Hypersensitivity Hypersensitivity Hypersensitivity January (1) January (3-8) Allergic reactions Allergic reactions Allergic reactions SUNDAY - 09.01.2022				
Major Histocompatibility complex Holiday -25.12.2021 - Christmas SUNDAY - 26.12.2021 December (27-31) Hypersensitivity Hypersensitivity Hypersensitivity January (1) January (1) January (1) January (3-8) Allergic reactions RIA				

15	January		
15	(17-22)	ELISA	
		ELISA	
		ELISA	
		SUNDAY - 23.01.2022	
16	January (24-29)		
		Holiday - 26.01.2022 - Republic day	
		Autoimmunity	
		Autoimmunity	
		Autoimmunity	
SUNDAY - 30.01.2022			
	January(31)		
17	February(1-4)		
	i cordary(1 4)	Immunological tolerance	
		Immunological tolerance	
		Holiday - 05.02.2022 - Vasant Panchami	
	T	SUNDAY - 6.02.2022	
18	February		
	(7-12)	Hapten	
		Hapten	
		Hapten	
		SUNDAY - 13.02.2022	
19	February		
	(14-19)	Antigen and immunogen	
		Antigen and immunogen	
		Antigen and immunogen	
		SUNDAY - 20.02.2022	
20	February		
20	(21-22)		

I.B. (PG) COLLEGE, PANIPAT (SESSION 2021-2022) .2022) (Odd Semester)

Teaching Term : (06.10.2021 to 22.02.2022)

Weekly Lesson Plan UG (Ist / Illrd / Vth Semester)

Name of the Paper:- Molecular Biology Class: B.sc. Medical 3rd semester

Name of the Teachers (Section wise): BHAWNA MALIK

DATE	TOPICS				
October (6 - 9)	HOLIDAY - 07.10.2021 - Maharaja Agarsen Jayanti				
SUNDAY - 10.10.2021					
	Molecular Biology: Introduction to molecular aspects of life				
October	DNA as the genetic material				
	experiments proving DNA and RNA as genetic material				
(11-16)					
	HOLIDAY - 15.10.2021 - DUSSEHRA				
I	SUNDAY - 17.10.2021				
	experiments proving DNA and RNA as genetic material				
	Nucleic acids: Structure, function and properties of DNA and RNA				
Occoser	Holiday - 20.10.2021 - Maharishi Valmiki Jayanti				
(10-25)					
	SUBDAY 24 10 2021				
	SUNDAY - 24.10.2021				
	Watson and Crick model of DNA. DNA forms (A, B and Z), their characteristic				
	Watson and Crick model of DNA. DNA forms (A, B and Z), their characteristic				
October (25 -30)	Watson and Crick model of DNA. DNA forms (A, B and Z), their characteristic				
VACATIONS: 31.10.2021 to 07.11.2021 - DIWALI BREAK					
	October (6 - 9) October (11-16) October (18-23)				

		Different types of RNA, their structure and function				
	November (8 -13)	Revision				
5		Revision Test				
5						
	-	SUNDAY - 14.11.2021				
6		Organization of Genomes – bacterial, viral				
		Organization of Genomes – bacterial				
	November	Organization of Genomes – human				
	(15 -20)					
		Holiday -19.11.2021 - Guru Nanak Dev Jayanti				
		SUNDAY - 21.11.2021				
		Organization of Genomes – organelles.				
		Eukaryotic genomes: Chromosomal organization and structure. Euchromatin, heterochromatin				
7	November (22-27)	centromere, telomere. Chromatin structure (nucleosome), histone and non-histone proteins.				
	<u> </u>	SUNDAY - 28.11.2021				
		Insertion elements and transposons; IS elements, transposable elements of Maize and P elements of Drosophila				
	Neversher	Extra chromosomal DNA in prokaryotes – plasmids				
8	November (29-30)	Extra chromosomal DNA in prokaryotes – plasmids				
0	December (1-4)					
	(1-4)					
	SUNDAY - 5.12.2021					
9	December					
	(6-11)					
	SUNDAY - 12.12.2021					
		DNA Replication				
		DNA Replication				
10	December (13-18)	DNA damage and repair				
	(13-10)					
	SUNDAY - 19.12.2021					

	December	revision test					
		Genetic Code					
11		Genetic Code					
- 11	(20-25)						
		Holiday -25.12.2021 - Christmas					
	SUNDAY - 26.12.2021						
		Transcription in prokaryotes					
	December	Transcription in prokaryotes					
	(27-31)	Transcription in eukaryotes					
12		Transcription in Eukaryotes					
	January (1)						
	January (1)						
		SUNDAY -02.01.2022					
		Transcription in eukaryotes and Post transcriptional modifications					
		Translation/Protein synthesis					
13	January	Inhibitors of translation					
	(3-8)						
	ſ	SUNDAY - 09.01.2022					
		Post-translational modifications					
		Regulation of Gene Expression in prokaryotes and eukaryotes					
14	January	Regulation of Gene Expression in prokaryotes and eukaryotes					
	(10-15)						
		SUNDAY - 16.01.2022					
		Revision Test					
		Operon model					
15	January	Operon model					
15	(17-22)						
	SUNDAY - 23.01.2022						
		Molecular mechanisms of DNA recombination in eukaryotes					
		Molecular mechanisms of DNA recombination in eukaryotes					
	January	Holiday - 26.01.2022 - Republic day					
16	(24-29)						
	ļ	SUNDAY - 30.01.2022					
	50NDA1 - 50.01.2022						

	January(31)	Recombination in prokaryotes				
	February(1-4)	Recombination in prokaryotes				
17		Recombination in prokaryotes				
	Holiday - 05.02.2022 - Vasant Panchami					
	SUNDAY - 6.02.2022					
		Revision				
		Revision Test				
18		Revision Test				
10	(7-12)					
		SUNDAY - 13.02.2022				
		Revision Test				
		Revision Test				
	February	Revision Test				
19	(14-19)					
		SUNDAY - 20.02.2022				
	February	Revision Test				
20	(21-22)	Revision Test				

Teaching Term : (06.10.2021 to 22.02.2022)

(Odd Semester)

Weekly Lesson Plan UG (Ist / IIIrd / Vth Semester)

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

Name of the Paper: -Biology and Diversity of seed Plants

Class: Bsc.III Semester

WEEK DATE TOPICS HOLIDAY - 07.10.2021 - Maharaja Agarsen Jayanti October 1 (6 - 9) **ORIENTATION PROGRAMME & LIBRARY VISIT** (SCIENCE) **ORIENTATION PROGRAMME & LIBRARY VISIT** (ARTS) SUNDAY - 10.10.2021 **Seed Plants-Intro** Seed Plants-Intro October **Seed Plants-Diversity** 2 (11-16) HOLIDAY - 15.10.2021 - DUSSEHRA SUNDAY - 17.10.2021 **General Characters-Gymnosperms General Characters-Gymnosperms** Holiday - 20.10.2021 - Maharishi Valmiki Jayanti October 3 (18-23) SUNDAY - 24.10.2021 **Classification of Gymnosperms Classification of Gymnosperms Classification of Gymnosperms** October 4 (25 - 30) VACATIONS: 31.10.2021 to 07.11.2021 - DIWALI BREAK

		Geological Time Table
		Geological Time Table
5	November	Geological Time Table
	(8 -13)	
		SUNDAY - 14.11.2021
		Heterospory to Seed Habit
	November (15 -20)	Evolution of Seed Habit
6		Evolution of Seed Habit
		Holiday -19.11.2021 - Guru Nanak Dev Jayanti
		SUNDAY - 21.11.2021
		Introduction to Palaeobotany
		Fossils and Fossilization
7	November (22-27)	Fossils and Fossilization
	(22-27)	
		SUNDAY - 28.11.2021
		Fossils and Fossilization
	N	Study and Importance of Fossils
8	November (29-30)	Study and Importance of Fossils
0	December (1-4)	
	(1-4)	
		SUNDAY - 5.12.2021

		Study and Importance of Fascile		
	December (6-11)	Study and Importance of Fossils		
		Lygionopteris		
9		Williamsonia		
SUNDAY - 12.12.2021				
10		Cycadaeoidea		
		Living Gymnosperms-Introduction		
	December (13-18)	Cycas - Introduction and Morphology		
		SUNDAY - 19.12.2021		
		Cycas - Introduction and Morphology		
		Cycas - Coralloid Roots, Rachis Anatomy		
11	December (20-25)	Cycas - Coralloid Roots, Rachis Anatomy		
	()			
		Holiday -25.12.2021 - Christmas		
		SUNDAY - 26.12.2021		
		Cycas - Reproductive Morphology		
	December	Cycas - Male Cone Details		
	(27-31)	Cycas - Megasporophylls, Male Gametophyte		
12				
	January (1)			
		SUNDAY -02.01.2022		
		<i>Cycas</i> - Ovule, Female Gametophyte		
		<i>Cycas</i> - Female Gametophyte Dev.		
	January (3-8)	Pinus - Introduction and Morphology		
13				
SUNDAY - 09.01.2022				
50NDA1 - 05.01.2022				

		Pinus - Introduction and Morphology	
	January (10-15)	Pinus - Morphology, Shoot types	
14		Class Test	
14			
		SUNDAY - 16.01.2022	
15	January (17-22)	Pinus - Morphology, Shoot types	
		Assignments	
		Pinus - Anatomy of Needle, Spur	
		SUNDAY - 23.01.2022	
		Pinus - Reproductive Morphology	
		Pinus - Male Cone, Male Gametopyte	
16	January	Holiday - 26.01.2022 - Republic day	
	(24-29)		
SUNDAY - 30.01.2022			
	January(31)	Pinus - Dev. Female Gametophyte	
		Pinus - Dev. Female Gametophyte	
14	February(1-4)	Ephedra- Morphology	
	i cordary(1-4)		
		Holiday, OF 02 2022, Vacant Danshami	
		Holiday - 05.02.2022 - Vasant Panchami SUNDAY - 6.02.2022	
		Ephedra - Anatomy	
		<i>Ephedra</i> - Reproduction	
	February (7-12)	Ephedra - Reproduction	
15			
		SUNDAY - 13.02.2022	

	February (14-19)	Ephedra - Reproduction
16		Ephedra - Reproduction
		Primitive Angiosperms
		SUNDAY - 20.02.2022
17	February (21-22)	Test
		Test

Teaching Term : (06.10.2021 to 22.02.2022)

(Odd Semester)

Weekly Lesson Plan UG (Ist / IIIrd / Vth Semester)

Class: B.SC -2nd(3rd Sem)

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Name of the Paper:- Plant Anatomy Paper- II Name of the Teachers (Section wise): Ms Rajni Г

WEEK	DATE	TOPICS
1	October (6 - 9)	HOLIDAY - 07.10.2021 - Maharaja Agarsen Jayanti
	(0-5)	Orientation Program
		Diversity in plant forms
	1	SUNDAY - 10.10.2021
2	October	
2	(11-16)	Diversity in plant forms
		HOLIDAY - 15.10.2021 - DUSSEHRA
		Tissues meristematic and permanent
		SUNDAY - 17.10.2021
	October	Holiday - 20.10.2021 - Maharishi Valmiki Jayanti
3	(18-23)	Tissues meristematic and permanent
		Tissues meristematic and permanent
		Tissues meristematic and permanent
		SUNDAY - 24.10.2021
4	October	
4	(25 -30)	The shoot system
		The shoot system
		The shoot system
	VACATIC	ONS: 31.10.2021 to 07.11.2021 - DIWALI BREAK

		
5	November (8 -13)	
	(0-13)	Structure of dicot stem
		Structure of dicot stem
		Structure of Monocot stem
		SUNDAY - 14.11.2021
6	November	
	(15 -20)	Structure of Monocot stem
		Holiday -19.11.2021 - Guru Nanak Dev Jayanti
		Structure of Monocot stem
		SUNDAY - 21.11.2021
_	November	
7	(22-27)	Cambium Structure and functions
		Cambium Structure and functions
		Cambium Structure and functions
		SUNDAY - 28.11.2021
	November (29-30)	
8	December	Secondary growth in dicot stem
	(1-4)	Secondary growth in dicot stem
		Secondary growth in dicot stem
		SUNDAY - 5.12.2021
	December	
9	(6-11)	Periderm
		Periderm
		Periderm
		SUNDAY - 12.12.2021
		JUNDAT - 12:12:2021
10	December (13-18)	
	(10 10)	Anomalous Secondary growth in Dracaena
		Anomalous Secondary growth in <i>Boerhaavia</i>
		Anomalous Secondary growth in Achyranthes
		SUNDAY-19.12.2021

	December	
11	(20-25)	
		Phyllotaxy
		Phyllotaxy
		Holiday -25.12.2021 - Christmas
		SUNDAY - 26.12.2021
	December	
12	(27-31)	
12		Leaf types simple and compound
		Leaf types simple and compound
	January (1)	Leaf types simple and compound
		SUNDAY -02.01.2022
13	January	
13	(3-8)	Epidermis and Epidermal appendages
		Epidermis and Epidermal appendages
		Stomata and their morphological types
		SUNDAY - 09.01.2022
14	January	
14	(10-15)	Stomata and their morphological types
		Assignment And Class Test
		Anatomy of dicot and monocot leaf
		SUNDAY - 16.01.2022
15	January	
	(17-22)	Anatomy of dicot and monocot leaf
		Leaf abscission
		Leaf abscission
		SUNDAY - 23.01.2022
16	January	Holiday - 26.01.2022 - Republic day
	(24-29)	Root system
		Root system
		Root apical meristem and theories
		SUNDAY - 30.01.2022

	January(31)	
17	February(1-4)	Root apical meristem and theories
		Root apical meristem and theories
		Structure of dicot Root
		Holiday - 05.02.2022 - Vasant Panchami
		SUNDAY - 6.02.2022
	February	
18	(7-12)	Structure of monocot Root
		Secondary growth in dicot Root
		Secondary growth in dicot Root
		SUNDAY - 13.02.2022
	February	
19	(14-19)	Structural modification in storage root
		Structural modification in Respiratory root
		Structural modification in Epiphytic root
		SUNDAY - 20.02.2022
20	February	
-	(21-22)	

Teaching Term : (06.10.2021 to 22.02.2022) Weekly Lesson Plan UG (Ist / IIIrd / Vth Semester) (Odd Semester)

Name of the Paper:- Inorganic Chemistry

Class: B.Sc II (A)

Name of the Teachers (Section wise): Dr. Mohd. Ishaq

WEEK	DATE	ΤΟΡΙCS
1	October (6 - 9)	Definition of transition elements
	ļ	SUNDAY - 10.10.2021
2	October (11-16)	Position in the periodic table, General characteristic properties of d-Block elements
		SUNDAY - 17.10.2021
3	October (18-23)	Comparison of properties of 3d elements with 4d and 5d elements with reference only to ionic radii, oxidation state, magnetic properties
	I	SUNDAY - 24.10.2021
4	October (25 -30)	Comparison of properties of 3d elements with 4d and 5d elements with reference only to spectral properties and stereo chemistry.
	VACATION	NS: 31.10.2021 to 07.11.2021 - DIWALI BREAK

5	November (8 -13)	Stability of various oxidation states and e.m.f (Latimer and Frost diagrams)
		SUNDAY - 14.11.2021
6	November (15 -20)	Structure and properties of some compounds of transition elements- TiO2, VOCI2,FeCI3
•		SUNDAY - 21.11.2021
7	November (22-27)	Structure and properties of compounds of transition elements- CuCl2 and Ni(CO)4.
		SUNDAY - 28.11.2021
8	November (29-30) December (1-4)	Werner's theory of coordination compounds
l		SUNDAY - 5.12.2021
9	December (6-11)	Effective atomic number, chelates
		SUNDAY - 12.12.2021
10	December (13-18)	Nomenclature of coordination compounds
		SUNDAY - 19.12.2021

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11	December (20-25)	Isomerism in coordination compound
		SUNDAY - 26.12.2021
12	December (27-31)	Valence bond theory of transition metal complexes
	January (1)	
		SUNDAY -02.01.2022
13	January (3-8)	Valence bond theory of transition metal complexes
		SUNDAY - 09.01.2022
14	January (10-15)	Physical properties of solvents
		SUNDAY - 16.01.2022
15	January (17-22)	Types of solvents and their general characteristics
		SUNDAY - 23.01.2022

16	January (24-29)	Solvents general characteristics
		SUNDAY - 30.01.2022
	January(31)	
17	February(1-4)	Reactions in non aqueous solvents with reference to liquid NH3
		Holiday - 05.02.2022 - Vasant Panchami
		SUNDAY - 6.02.2022
18	February (7-12)	Reactions in non aqueous solvents with reference to liquid SO2.
		SUNDAY - 13.02.2022
19	February (14-19)	REVISION,CLASS TEST
		SUNDAY - 20.02.2022
20	February (21-22)	REVISION

Teaching Term : (06.10.2021 to 22.02.2022)

(Odd Semester)

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Weekly Lesson Plan UG (Ist / Illrd / Vth Semester)

Name of the Paper:- Organic Chemistry

Class: B.Sc II(A)

Name of the Teachers (Section wise): Prof. Era Garg

WEEK	DATE	ΤΟΡΙϹS
1	October (6 - 9)	Monohydric alcohols nomenclature
		SUNDAY - 10.10.2021
2	October (11-16)	Methods of formation by reduction of aldehydes, ketones, carboxylic acids and esters
		SUNDAY - 17.10.2021
3	October (18-23)	Hydrogen bonding. Acidic nature. Reactions of alcohols.
		SUNDAY - 24.10.2021
4	October (25 -30)	Dihydric alcohols — nomenclature, methods of formation
	VACATION	IS: 31.10.2021 to 07.11.2021 - DIWALI BREAK

5	November (8 -13)	Chemical reactions of vicinal glycols, oxidative cleavage[Pb(OAc)4 and HIO4
		SUNDAY - 14.11.2021
6	November (15 -20)	Pinacol-pinacolone rearrangement.Nomenclature(Phenols)
		SUNDAY - 21.11.2021
7	November (22-27)	Structure and bonding. Preparation of phenols, physical properties and acidic character
		SUNDAY - 28.11.2021
8	November (29-30) December (1-4)	Comparative acidic strengths of alcohols and phenols, resonance stabilization of phenoxide ion
		SUNDAY - 5.12.2021

9 December (6-11) Reactions of phenols electrophilic aromatic substitution, Mechanisms of Fries rearrangement 10 December (13-18) SUNDAY - 12.12.2021 10 December (13-18) Claisen rearrangement, Reimer-Tiemann reaction, Kolbe's reaction 11 December (13-18) Schotten and Baumann reactions.Synthe sis of epoxides. Acid and base-catalyzed ring opening of epoxides 11 December (20-25) Schotten and Baumann reactions.Synthe sis of epoxides. Acid epoxides 12 December (27-31) Orientation of epoxide ring opening, reactions of Grignard and organolithium reagents with epoxides 13 January (1) SUNDAY - 02.01.2022 13 January (3-8) Absorption laws (Beer-Lambert law), molar absorptivity, presentation and analysis of UV spectra			1
10December (13-18)Claisen rearrangement, Reimer-Tiemann reaction, Kolbe's reaction11December (20-25)SUNDAY - 19.12.202111December (20-25)Schotten and Baumann reactions.Synthe sis of epoxides. Acid and base-catalyzed ring opening of epoxides12December (27-31)Orientation of epoxide ring opening, reactions of Grignard and organolithium reagents with epoxides12January (1)SUNDAY - 26.12.202113January (3-8)Absorption laws (Beer-Lambert law), molar absorptivity, presentation and analysis of UV spectra	9		
10 December (13-18) 11 December (20-25) Schotten and Baumann reactions.Synthe sis of epoxides. Acid and base-catalyzed ring opening of epoxides 11 December (20-25) Schotten and Baumann reactions.Synthe sis of epoxides. Acid and base-catalyzed ring opening of epoxides 12 December (27-31) Orientation of epoxide ring opening, reactions of Grignard and organolithium reagents with epoxides 12 January (1) 13 January (3-8)			SUNDAY - 12.12.2021
11December (20-25)Schotten and Baumann reactions.Synthe sis of epoxides. Acid and base-catalyzed ring opening of epoxides12December (27-31)SUNDAY - 26.12.202112December (27-31)Orientation of epoxide ring opening, reactions of Grignard and organolithium reagents with epoxides12January (1)13January (3-8)Absorption laws (Beer-Lambert law), molar absorptivity, presentation and analysis of UV spectra	10		Claisen rearrangement, Reimer-Tiemann reaction, Kolbe's reaction
11(20-25)Schotten and Baumann reactions. Synthe sis of epoxides. Acid and base-catalyzed ring opening of epoxidesSUNDAY - 26.12.202112December (27-31)Orientation of epoxide ring opening, reactions of Grignard and organolithium reagents with epoxides12January (1)SUNDAY - 02.01.202213January (3-8)Absorption laws (Beer-Lambert law), molar absorptivity, presentation and analysis of UV spectra			SUNDAY - 19.12.2021
12 December (27-31) Orientation of epoxide ring opening, reactions of Grignard and organolithium reagents with epoxides January (1) January (1) SUNDAY -02.01.2022 13 January (3-8) Absorption laws (Beer-Lambert law), molar absorptivity, presentation and analysis of UV spectra	11		Schotten and Baumann reactions.Synthe sis of epoxides. Acid and base-catalyzed ring opening of
12(27-31)Orientation of epoxide ring opening, reactions of Grignard and organolithium reagents with epoxides13January (3-8)SUNDAY -02.01.202213January (3-8)Absorption laws (Beer-Lambert law), molar absorptivity, presentation and analysis of UV spectra			SUNDAY - 26.12.2021
SUNDAY -02.01.2022 13 January (3-8) Absorption laws (Beer-Lambert law), molar absorptivity, presentation and analysis of UV spectra	12		
13January (3-8)Absorption laws (Beer-Lambert law), molar absorptivity, presentation and analysis of UV spectra		January (1)	
13 January (3-8) presentation and analysis of UV spectra			SUNDAY -02.01.2022
SUNDAY - 09.01.2022	13		
			SUNDAY - 09.01.2022

14 January (10-15) Types of electronic transitions, effect of conjugation. Concept of chromophore and auxochrome. SUNDAY - 16.01.2022 15 January (17-22) Bathochromic, hypsochromic, hyperchromic and hypochromic shifts,UV spectra of conjugated enes and enones SUNDAY - 23.01.2022 Woodward- Fieser rulesCalculation of max of simple
15 January (17-22) Bathochromic, hypsochromic, hyperchromic and hypochromic shifts,UV spectra of conjugated enes and enones SUNDAY - 23.01.2022 Woodward- Fieser rulesCalculation of max of simple
15 January (17-22) hypochromic shifts,UV spectra of conjugated enes and enones SUNDAY - 23.01.2022 Woodward- Fieser rulesCalculation of max of simple
Woodward- Fieser rulesCalculation of max of simple
January (24-29)conjugated dienes and unsaturated ketones.16(24-29)Applicat ions of UV Spectroscopy in structure elucidation of simple organic compounds.
SUNDAY - 30.01.2022
January(31)
17 February(1-4) Nomenc lature of Carboxylic acids, st ructure and bonding, physical properties, acidity of carboxylic acids, effects of substituents on acid strength. Preparation of carboxylic acids.
Holiday - 05.02.2022 - Vasant Panchami
SUNDAY - 6.02.2022
18Reactions of carboxylic acids. Hell-Volhard-Zelinsky reaction. Reduction of carboxylic acids. Mechanism of decarboxylation. Relative stability of a cyl deriva tives.

Physical properties, nterconversion of acid derivat ives by nucleophilic acyl ubstitution. Mechanisms of esterification and hydrolysis (acidic and basic).
SUNDAY - 20.02.2022
REVISION
r u

Teaching Term : (06.10.2021 to 22.02.2022) Weekly Lesson Plan UG (Ist / IIIrd / Vth Semester) (Odd Semester)

Name of the Paper:- Physical Chemistry

Class: B.Sc II(A)

Name of the Teachers (Section wise): Dr. Mohd Ishaq

WEEK	DATE	ΤΟΡΙCS			
1	October (6 - 9)	Definition of thermodynamic terms : system, surrounding etc.			
	ł	SUNDAY - 10.10.2021			
2	2 October (11-16) Types of systems, intensive and extensive properties.				
	•	SUNDAY - 17.10.2021			
3	October (18-23)	State and path functions and their differentials. Thermodynamic process.			
	I	SUNDAY - 24.10.2021			
4	October (25 -30)	Thermodynamic equilibrium, Concept of heat and work.			
VACATIONS: 31.10.2021 to 07.11.2021 - DIWALI BREAK					

5	November (8 -13)	First law of thermodynamics: statement, concepts of internal energy
		SUNDAY - 14.11.2021
		50NDA1 - 14.11.2021
6	November (15 -20)	Enthalpy. Heat capacity
		SUNDAY - 21.11.2021
7	November (22-27)	Heat capacities at constant volume and pressure and their relationship
		SUNDAY - 28.11.2021
8	November (29-30) December (1-4)	Joule–Thomson coefficient for ideal gas and real gas and inversion temperature.
SUNDAY - 5.12.2021		

9	December (6-11)	Calculation of w,q for the expansion of ideal gases under isothermal and adiabatic conditions for reversible process	
		SUNDAY - 12.12.2021	
10	December (13-18)	Calculation of dU & dH for the expansion of ideal gases unde r isothermal and adiabatic conditions for reversible process	
		SUNDAY - 19.12.2021	
11	December (20-25)	Equilibrium constant and free energy	
SUNDAY - 26.12.2021			
12	December (27-31)	Concept of chemical potential	
	January (1)		
	SUNDAY -02.01.2022		
13	January (3-8)	Thermodynamic derivation of law of chemical equilibrium	
SUNDAY - 09.01.2022			

		ГЛ
14	January (10-15)	Temperature dependence of equilibrium constant.
		SUNDAY - 16.01.2022
15	January (17-22)	Clausius–Clapeyron equation and its applications
		SUNDAY - 23.01.2022
16	January (24-29)	Nernst distribution law – its thermodynamic derivation,
		SUNDAY - 30.01.2022
	January(31)	
17	February(1-4)	Applicat ions of distribution law: (i) Determination of degree of hydrolysis and hydrolysis constant of aniline hydrochloride
		Holiday - 05.02.2022 - Vasant Panchami
		SUNDAY - 6.02.2022
18	February (7-12)	Applicat ions of distribution law: (ii) Determination of equilibrium constant of potassium tri -iodide complex
		SUNDAY - 13.02.2022
19	February (14-19)	Applicat ions of distribution law: (iii) Process of extraction. More stress on numerical problems.
		SUNDAY - 20.02.2022
20	February (21-22)	REVISION
L	l	

(Odd Semester)

Teaching Term : (06.10.2021 to 22.02.2022) Weekly Lesson Plan UG (Ist / IIIrd / Vth Semester)

Name of the Paper:- Data Structure

Class: BSC 3rd sem

Name of the Teachers (Section wise): Deepty

WEEK	DATE	TOPICS
1	October (6 - 9)	Elementary Data Organization
		HOLIDAY - 07.10.2021 - Maharaja Agarsen Jayanti
		SUNDAY - 10.10.2021
		Introduction To Data Structure, Classification of data structure
		Data type vs. Data structure
2	October (11-16)	Data structure operations, Application of data structure
	(,	HOLIDAY - 15.10.2021 - DUSSEHRA
		SUNDAY - 17.10.2021
		Algorithms Notations
		Algorithms Notations
3	October (18-23)	Holiday - 20.10.2021 - Maharishi Valmiki Jayanti
		SUNDAY - 24.10.2021
		Complexity and time space tradeoff, Big O notation
4		Strings
	October (25 -30)	String Operations
		DNS: 31.10.2021 to 07.11.2021 - DIWALI BREAK

5	November (8 -13)	Pattern matching algo Pattern matching algo Basics of Arrays	
		SUNDAY - 14.11.2021	
		Types of Arrays	
		Linear arrays , representation of linear arrays in memory	
6	November	Operations on linear arrays, Traversal in an array	
	(15 -20)		
		Holiday -19.11.2021 - Guru Nanak Dev Jayanti	
		SUNDAY - 21.11.2021	
	November (22-27)	Insertions in an array,	
		Deletion in an array	
7		Two Dimensional arrays, Multidimensional arrays	
	(22-27)		
	SUNDAY - 28.11.2021		
		Parallel Array,Sparse arrays	
8	November	Assignment I	
	(29-30) December	Link list ,link list vs. Array	
	(1-4)		
		SUNDAY - 5.12.2021	
SUNDAT - 3.12.2021			

		Conditional Test
		Conditional Test
		Representation of link list in memory
9	December (6-11)	Travering a link list
		SUNDAY - 12.12.2021
		Insertion into a link list, deletion from a link list
		Searching in a link list
	December	Header link list
10	(13-18)	
		SUNDAY - 19.12.2021
		circular link list
		circular link list
11	December	two way link list
	(20-25)	
		Holiday -25.12.2021 - Christmas
		SUNDAY - 26.12.2021
		two way link list
	December (27-31)	Garbage Collection, application of link list
		Stack intro,operation on stack
12		
	January (1)	
SUNDAY -02.01.2022		
		algo of push and pop
	January (3-8)	Representation of stack as link list and array
13		Problem Discussion
SUNDAY - 09.01.2022		

14 January (10-15) Introduction to queue, Representation of queue 15 January (10-15) SUNDAY - 16.01.2022 15 January (17-22) Assignment II, Deque,Priority queue,Application of Queue 16 January (17-22) Tree intro,binary tree 16 January (24-29) Terminology of Tree 17 Terminology of Tree tree representation using link list and array. 17 January (24-29) Terwinology of Tree 18 February(1.4) Traversal Algorithm without Recursion 18 February (7-12) Traversal Algorithm without Recursion					
14 January (10-15) Operations on queue 15 January (17-22) SUNDAY - 16.01.2022 15 January (17-22) Assignment II, Deque,Priority queue,Application of Queue 16 January (17-22) Tree intro,binary tree 16 January (24-29) Terminology of Tree tree representation using link list and array. 16 January (24-29) Traversal Algorithm without Recursion 17 February(1-4) Traversal Algorithm without Recursion 18 February (7-12) Traversal Algorithm without Recursion	14		Applications of stack		
14 (10-15) SUNDAY - 16.01.2022 Assignment II, Deque,Priority queue,Application of Queue 15 January (17-22) SUNDAY - 23.01.2022 Tree intro,binary tree Iterminology of Tree tree representation using link list and array 16 January (24-29) SUNDAY - 30.01.2022 SUNDAY - 0.02.2022 SUNDAY - 6.02.2022 Traversal Algorithm without Recursion Traversal Algorithm without Re			Introduction to queue, Representation of queue		
SUNDAY - 16.01.2022 SUNDAY - 16.01.2022 January Assignment II, Deque,Priority queue,Application of Queue Tree intro,binary tree 15 January 16 January January Terminology of Tree tree representation using link list and array Holiday - 26.01.2022 - Republic day SUNDAY - 30.01.2022 January January January January January January January January Holiday - 26.01.2022 - Republic day SUNDAY - 30.01.2022 SUNDAY - 30.01.2022 Taversal Algorithm without Recursion Traversal Algorithm without Recursion <td>•</td> <td>Operations on queue</td>		•	Operations on queue		
15 January January (17-22) Assignment II, Deque, Application of Queue 16 January January (24-29) Terminology of Tree tree representation using link list and array 16 January (24-29) Terminology of Tree tree representation using link list and array 17 February(1-4) Traversal Algorithm without Recursion 18 February (7-12) Traversal Algorithm without Recursion		(10-15)			
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15 January January (17-22) Assignment II, Deque, Application of Queue 16 January January (24-29) Terminology of Tree tree representation using link list and array 16 January (24-29) Terminology of Tree tree representation using link list and array 17 February(1-4) Traversal Algorithm without Recursion 18 February (7-12) Traversal Algorithm without Recursion					
15 January (17-22) Deque,Priority queue,Application of Queue 16 Tree intro,binary tree January (24-29) Terminology of Tree 16 Terminology of Tree January (24-29) Terminology of Tree V Tere representation using link list and array Holiday - 26.01.2022 - Republic day SUNDAY - 30.01.2022 SUNDAY - 30.01.2022 SUNDAY - 30.01.2022 February(1-4) Traversal Algorithm without Recursion Traversal Algorithm without Recursion SUNDAY - 6.02.2022 Vasant Panchami SUNDAY - 6.02.2022 Traversal Algorithm without Recursion			SUNDAY - 16.01.2022		
15 January (17-22) Tree intro,binary tree 16 SUNDAY - 23.01.2022 January (24-29) Terminology of Tree tree representation using link list and array 16 January (24-29) January (24-29) Terminology of Tree tree representation using link list and array 16 Traversal Algorithm without Recursion 17 February(1-4) February(1-4) Traversal Algorithm without Recursion 18 February (7-12)			Assignment II,		
15 (17-22) SUNDAY - 23.01.2022 SUNDAY - 23.01.2022 Image: Sunday - 23.01.2022 January Holiday - 26.01.2022 - Republic day Holiday - 26.01.2022 - Republic day Image: Sunday - 30.01.2022 January(31) Traversal Algorithm without Recursion			Deque,Priority queue,Application of Queue		
16 (17-22) January (24-29) Terminology of Tree tree representation using link list and array Holiday - 26.01.2022 - Republic day SUNDAY - 30.01.2022 January (24-29) January (24-29) January (24-29) January(31) Traversal Algorithm without Recursion Traversal Algorithm without Recursion Traversal Algorithm without Recursion Holiday - 05.02.2022 - Vasant Panchami SUNDAY - 6.02.2022 Traversal Algorithm without Recursion	15	January	Tree intro,binary tree		
16 January (24-29) Terminology of Tree tree representation using link list and array Holiday - 26.01.2022 - Republic day SUNDAY - 30.01.2022 January(31) Traversal Algorithm without Recursion Traversal Algorithm without Recursion February(1-4) February 18 February (7-12)	15	(17-22)			
16 January (24-29) Terminology of Tree tree representation using link list and array Holiday - 26.01.2022 - Republic day SUNDAY - 30.01.2022 January(31) Traversal Algorithm without Recursion Traversal Algorithm without Recursion February(1-4) February 18 February (7-12)					
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16 January (24-29) Holiday - 26.01.2022 - Republic day Image: style="text-align: center;">Image: style="text-align: center;">Image: style="text-align: style="text-align: center;">Image: style="text-align: style="text-align			Terminology of Tree		
16 January (24-29) Holiday - 26.01.2022 - Republic day Image: style="text-align: center;">Image: style="text-align: center;">Image: style="text-align: style="text-align: center;">Image: style="text-align: style="text-align			tree representation using link list and array		
16 (24-29) SUNDAY - 30.01.2022 January(31) Traversal Algorithm without Recursion 17 February(1-4) Holiday - 05.02.2022 - Vasant Panchami SUNDAY - 6.02.2022 Traversal Algorithm without Recursion		January			
January(31) Traversal Algorithm without Recursion 17 February(1-4) Traversal Algorithm without Recursion February(1-4) Holiday - 05.02.2022 - Vasant Panchami SUNDAY - 6.02.2022 SUNDAY - 6.02.2022 Traversal Algorithm without Recursion	16	(24-29)			
January(31) Traversal Algorithm without Recursion 17 February(1-4) Traversal Algorithm without Recursion February(1-4) Holiday - 05.02.2022 - Vasant Panchami SUNDAY - 6.02.2022 SUNDAY - 6.02.2022 Traversal Algorithm without Recursion					
January(31) Traversal Algorithm without Recursion 17 February(1-4) Traversal Algorithm without Recursion February(1-4) Holiday - 05.02.2022 - Vasant Panchami SUNDAY - 6.02.2022 SUNDAY - 6.02.2022 Traversal Algorithm without Recursion					
17 February(1-4) Traversal Algorithm without Recursion Traversal Algorithm without Recursion Holiday - 05.02.2022 - Vasant Panchami SUNDAY - 6.02.2022 Traversal Algorithm without Recursion		SUNDAY - 30.01.2022			
17 February(1-4) Holiday - 05.02.2022 - Vasant Panchami SUNDAY - 6.02.2022 Traversal Algorithm without Recursion 18 February (7-12) Traversal Algorithm without Recursion		January(31)	Traversal Algorithm without Recursion		
February(1-4) Holiday - 05.02.2022 - Vasant Panchami SUNDAY - 6.02.2022 Traversal Algorithm without Recursion Traversal Algorithm without Recursion Traversal Algorithm without Recursion Traversal Algorithm without Recursion Traversal Algorithm without Recursion 18 February (7-12) Traversal Algorithm without Recursion			Traversal Algorithm without Recursion		
Holiday - 05.02.2022 - Vasant Panchami SUNDAY - 6.02.2022 SUNDAY - 6.02.2022 Traversal Algorithm without Recursion	17	February(1-4)			
SUNDAY - 6.02.2022 SUNDAY - 6.02.2022 Traversal Algorithm without Recursion					
SUNDAY - 6.02.2022 SUNDAY - 6.02.2022 Traversal Algorithm without Recursion					
18 February (7-12) Traversal Algorithm without Recursion 18 February (7-12) Traversal Algorithm without Recursion		Holiday - 05.02.2022 - Vasant Panchami			
18 February (7-12) Traversal Algorithm without Recursion			SUNDAY - 6.02.2022		
18 February (7-12) Traversal Algorithm without Recursion			Traversal Algorithm without Recursion		
		-	Traversal Algorithm without Recursion		
(7-12)	18		Traversal Algorithm without Recursion		
SUNDAY - 13.02.2022			SUNDAY - 13.02.2022		

19	February (14-19)	Representation of Graph, Introduction to graph,basic Terminology Revision
		Revision
		SUNDAY - 20.02.2022
20	February (21-22)	Revision
20		Revision

Teaching Term : (06.10.2021 to 22.02.2022)

(Odd Semester)

Weekly Lesson PlanUG (Ist / IIIrd / Vth Semester)Name of the Paper:-Software Engg.

Class: BSC 3rd sem

Name of the Teachers (Section wise): Deepty Juneja

WEEK	DATE	TOPICS	
	October		
1		HOLIDAY - 07.10.2021 - Maharaja Agarsen Jayanti	
	(6 - 9)	Introduction and Discussion about syllabus	
		Introduction of the subject	
	1	SUNDAY - 10.10.2021	
2	October		
	(11-16)	Program vs software, software engineering	
		HOLIDAY - 15.10.2021 - DUSSEHRA	
		programming paradigm.	
	1	SUNDAY - 17.10.2021	
	October (18-23)		
3		Holiday - 20.10.2021 - Maharishi Valmiki Jayanti	
5		Software crisis,phases in software development	
		phases in software development	
		Water fall model	
		SUNDAY - 24.10.2021	
4	October (25 -30)		
		spiral model, prototype model	
		Evolutionary,Role of matrix in software development	
		Feasibility study,SRS,need of SRS	
	VACATIONS: 31.10.2021 to 07.11.2021 - DIWALI BREAK		

	November	
_		
5	(8 -13)	Characteristics of SRS, components of SRS
		Problem analysis, information gathering tools, organising and structuring information
		Requirement specification, validation and metrics
		SUNDAY - 14.11.2021
6	November	
Ū	(15 -20)	SCM,data flow diagram,data dictionary
		Holiday -19.11.2021 - Guru Nanak Dev Jayanti
		decision table, decision tree, structure english
	1	SUNDAY - 21.11.2021
	November (22-27)	
7		
		ER diagram
		COCOMO Model
		Software Project Planning
		SUNDAY - 28.11.2021
	November	
8	(29-30)	
	December (1-4)	Project sheduling
		staffing and personal planning
		Team structure
SUNDAY - 5.12.2021		

	December (6-11)		
9		SCM	
		SCM	
		Quality assurance plan	
		assignment-1 SUNDAY - 12.12.2021	
	December		
10	(13-18)		
		project monitoring plan	
		Risk management	
		Unit testing,Integration Testing SUNDAY - 19.12.2021	
	December		
11	(20-25)		
		Verfication & Validation	
		Break and continue statement Holiday -25.12.2021 - Christmas	
		SUNDAY - 26.12.2021	
	December (27-31)		
12			
		Problem discussion	
		Assignment-2	
	January (1)	Basics of Software testing strategies	
		SUNDAY -02.01.2022	
13	January (3-8)		
		Query Session	
		Conditional Test	
		Unit Testing, Integration testing	
	SUNDAY - 09.01.2022		

	January	
14		
	(10-15)	Problem discussion
		Validation Testing, System Testing
		Alpha testing, Beta Testing
		SUNDAY - 16.01.2022
15	January	
15	(17-22)	Black Box Testing
		Black Box Testing
		Black Box Testing
		SUNDAY - 23.01.2022
	January	Holiday - 26.01.2022 - Republic day
16	(24-29)	White Box Testing
		White Box Testing
		White Box Testing
		SUNDAY - 30.01.2022
	January(31)	
17		
	February(1-4)	
		Cyclomatic Complexity
		Holiday - 05.02.2022 - Vasant Panchami
		SUNDAY - 6.02.2022
	February (7-12)	
18		Maintenance And its Type
		Maintenance And its Type
		Management of Maintenance, Maintenance Process
		Maintenance Characterstics SUNDAY - 13.02.2022
		SUNDAT ISIVELEVEL

19	February (14-19)	Revision Revision Revision Revision
		SUNDAY - 20.02.2022
20	February (21-22)	

Teaching Term : (06.10.2021 to 22.02.2022)

Name of the Teachers (Section wise):Dr. Arpana Garg

(Odd Semester)

Weekly Lesson Plan UG (Ist / IIIrd / Vth Semester)

Name of the Paper:- Advanced Calculus

Class: B.Sc. II

WEEK DATE TOPICS HOLIDAY - 07.10.2021 - Maharaja Agarsen Jayanti October 1 (6 - 9) **Orientation Program Orientation Program** SUNDAY - 10.10.2021 Hawan Introduction October **Continuous Function** 2 (11-16) Continuous Function HOLIDAY - 15.10.2021 - DUSSEHRA Continuous Function SUNDAY - 17.10.2021 **Continuous Function Continuous Function** Holiday - 20.10.2021 - Maharishi Valmiki Jayanti October 3 (18-23) **Continuous Function** Continuous Function **Continuous Function** SUNDAY - 24.10.2021 Uniform Continuity Uniform Continuity October Uniform Continuity 4 (25 - 30) **Uniform Continuity Problem Discussion** Test VACATIONS: 31.10.2021 to 07.11.2021 - DIWALI BREAK

		The Derivatives and M.V.T.S	
	November	The Derivatives and M.V.T.S	
		The Derivatives and M.V.T.S	
5	(8 -13)	The Derivatives and M.V.T.S	
		The Derivatives and M.V.T.S	
		The Derivatives and M.V.T.S	
		SUNDAY - 14.11.2021	
		The Derivatives and M.V.T.S	
		Cauchy M.V.T.S	
	November		
6	(15 -20)	Cauchy M.V.T.S	
		Cauchy M.V.T.S Holiday -19.11.2021 - Guru Nanak Dev Jayanti	
		Cauchy M.V.T.S SUNDAY - 21.11.2021	
		Problem Discussion	
		Test	
7	November (22-27)	Intermediate Form	
		Intermediate Form	
		Intermediate Form	
		Intermediate Form	
	SUNDAY - 28.11.2021		
		Intermediate Form	
	November	Intermediate Form	
8	(29-30) December	Problem Discussion	
	(1-4)	Test	
		Limit, Continuity of functions of Two variables	
		Limit, Continuity of functions of Two variables SUNDAY - 5.12.2021	
		Limit, Continuity of functions of Two variables	
		Limit, Continuity of functions of Two variables	
9	December (6-11)	Limit, Continuity of functions of Two variables	
		Limit, Continuity of functions of Two variables	
		Limit, Continuity of functions of Two variables	
		Limit, Continuity of functions of Two variables	
		SUNDAY - 12.12.2021	
		Problem Discussion	
	December (13-18)	Test	
10		Partial Differentiation	
		Partial Differentiation	
		Partial Differentiation	
		Partial Differentiation	
SUNDAY - 19.12.2021			

	December	Partial Differentiation Partial Differentiation	
11	(20-25)	Partial Differentiation	
		Partial Differentiation	
		Problem Discussion	
		Holiday -25.12.2021 - Christmas	
		SUNDAY - 26.12.2021	
		Test	
	December	Total Derivative	
12	(27-31)	Total Derivative	
12		Total Derivative	
		Total Derivative	
	January (1)	Total Derivative	
		SUNDAY -02.01.2022	
		Differentiation of Function of Two variables	
		Differentiation of Function of Two variables	
	January	Differentiation of Function of Two variables	
13	(3-8)	Differentiation of Function of Two variables	
		Differentiation of Function of Two variables	
		Differentiation of Function of Two variables	
		SUNDAY - 09.01.2022	
		Problem Discussion	
		Test	
	January	Maxima and Minima of Functions	
14	(10-15)	Maxima and Minima of Functions	
		Maxima and Minima of Functions	
		Maxima and Minima of Functions SUNDAY - 16.01.2022	
		Maxima and Minima of Functions	
		Problem Discussion	
	January (17-22)	Curve in space	
15		Curve in space	
		Curve in space	
		Curve in space	
		SUNDAY - 23.01.2022	
		Curve in space	
	January (24-29)	Curve in space	
		Holiday - 26.01.2022 - Republic day	
16		Curve in space	
		Circle of Curvature and Spherical Curvature	
		Circle of Curvature and Spherical Curvature	
		SUNDAY - 30.01.2022	

·		
	January(31)	Circle of Curvature and Spherical Curvature
	February(1-4)	Circle of Curvature and Spherical Curvature
17		Circle of Curvature and Spherical Curvature
		Circle of Curvature and Spherical Curvature
		Problem Discussion
		Holiday - 05.02.2022 - Vasant Panchami
		SUNDAY - 6.02.2022
		Test
		Involutes and Evolutes
18	February	Involutes and Evolutes
10	(7-12)	Involutes and Evolutes
		Involutes and Evolutes
		Concept of Surfaces and Envelopes
		SUNDAY - 13.02.2022
	February (14-19)	Concept of Surfaces and Envelopes
		Concept of Surfaces and Envelopes
10		Concept of Surfaces and Envelopes
19		Problem Discussion
		Revision
		Revision
		SUNDAY - 20.02.2022
	February (21-22)	Revision
20		Revision
L		

Teaching Term : (06.10.2021 to 22.02.2022)

Weekly Lesson Plan UG (IIIrd Semester)

(Odd Semester)

Name of the Paper:- PARTIAL DIFFERENTIAL EQUATION

Class: BA/BSC 2ND YEAR

T

Name of the Teachers (Section wise): MANISH KUMAR

WEEK	DATE	ΤΟΡΙϹS	
		COLLEGE ORIENTATION	
	October	HOLIDAY - 07.10.2021 - Maharaja Agarsen Jayanti	
1	(6 - 9)	COLLEGE ORIENTATION	
		COLLEGE ORIENTATION	
	1	SUNDAY - 10.10.2021	
		HAWAN	
		BASIC ABOUT DIFFERENTIAL EQUATION	
2	October	PARTIAL DIFFERENTIAL EQUATION	
	(11-16)	TYPES OF DIFFERENTIAL EQUATION	
		HOLIDAY - 15.10.2021 - DUSSEHRA	
		SOME IMPORTANT RESULTS AND FORMULAE	
	SUNDAY - 17.10.2021		
		ORDER AND DEGREE	
		LINEAR AND NON LINEAR PARTIAL DIFFERENTIAL EQUATION	
3	October	Holiday - 20.10.2021 - Maharishi Valmiki Jayanti	
	(18-23)	COMPLETE SOLUTION	
		SINGULAR SOLUTION	
		CONTINUE	
		SUNDAY - 24.10.2021	
		EXAMPLES	
		EXAMPLES	
4	October	SOLUTION OF LAGRANGES LINEAR EQUATION	
	(25 -30)	EXAMPLES	
		EXAMPLES	
		CONTINUE	
	VACATIONS: 31.10.2021 to 07.11.2021 - DIWALI BREAK		

		CHARPIT METHOD OF SOLUTION	
	November (8 -13)	EXAMPLES	
		EXAMPLES	
5			
		EXAMPLES	
		EXAMPLES SUNDAY - 14.11.2021	
		JACOBIS METHOD	
		EXAMPLES	
6	November (15 -20)	EXAMPLES	
	(15-20)	DOUBTS	
		Holiday -19.11.2021 - Guru Nanak Dev Jayanti	
		CLASS TEST	
	SUNDAY - 21.11.2021		
	November (22-27)	LINEAR PARTIAL DIFFERENTIAL EQUATION OF SECOND AND HIGHER ORDER	
		EXAMPLES	
7		EXAMPLES	
,		EXAMPLES	
		LINEAR HOMOGENOUS EQUATION	
		EXAMPLES	
		SUNDAY - 28.11.2021	
		NON LINEAR HOMOGENOUS EQUATION	
	Neversher	EXAMPLES	
8	November (29-30)	EXAMPLES	
•	December	EXAMPLES	
	(1-4)	PARTIAL DIFFERENTIAL EQUATION WITH CONSTANT COEFFICIENTS	
		EXAMPLES	
SUNDAY - 5.12.2021			

	December	EXAMPLES	
9		EXAMPLES	
		EXAMPLES	
	(6-11)	EQUATION REDUCIBLE WITH CONSTANT COEFFICIENTS	
		COMPLIMENTARY EQUATION	
		EXAMPLES	
		SUNDAY - 12.12.2021	
		EXAMPLES	
		PARTICULAR INTEGRALS	
10	December	EXAMPLES	
10	(13-18)	EXAMPLES	
		EXAMPLES	
		EXAMPLES	
		SUNDAY - 19.12.2021	
		EQUATION REDUCIBLE TO LINEAR EQUATION WITH CONSTANT COEFFICIENTS	
		EXAMPLES	
	December	EXAMPLES	
11	(20-25)	DOUBTS	
		CLASS TEST	
		Holiday -25.12.2021 - Christmas	
		SUNDAY - 26.12.2021	
		CLASSIFICATION OF LINEAR PARTIAL DIFFERENTIAL EQUATION OF SECOND	
	December	CONTINUE	
	(27-31)	EXAMPLES	
12		EXAMPLES	
		EXAMPLES	
	January (1)		
		HYPERBOLIC EQUATION SUNDAY -02.01.2022	
		EXAMPLES	
		EXAMPLES	
13	January (3-8)	EXAMPLES	
		EXAMPLES	
	EXAMPLES		
	SUNDAY - 09.01.2022		

	January	EXAMPLES	
14		ELLIPTIC TYPE EQUATION	
		EXAMPLES	
14	(10-15)	EXAMPLES	
		EXAMPLES	
		EXAMPLES	
		SUNDAY - 16.01.2022	
		REDUCTION OF SECOND ORDER INTO CANONICAL FORM	
		EXAMPLES	
15	January	EXAMPLES	
15	(17-22)	EXAMPLES	
		EXAMPLES	
		EXAMPLES	
		SUNDAY - 23.01.2022	
		SOLUTION OF LINEAR HYPERBOLIC EQUATION	
		MONGES METHOD	
16	January	Holiday - 26.01.2022 - Republic day	
10	(24-29)	EXAMPLES	
		EXAMPLES	
		DOUBTS	
	SUNDAY - 30.01.2022		
	January(31)	CAUCHY PROBLEM FOR SECOND ORDER	
		EXAMPLES	
17	February(1-4)	EXAMPLES	
		EXAMPLES	
		CHARACTERSTIC EQUATION AND CHARACTERSTIC CURVE	
		Holiday - 05.02.2022 - Vasant Panchami	
		SUNDAY - 6.02.2022	
		EXAMPLES	
		METHOD OF SEPERATION OF VARIABLES OF LAPLACE EQUATION	
18	February (7-12)	EXAMPLES	
	(7-12)	EXAMPLES	
		EXAMPLES	
		EXAMPLES	
		SUNDAY - 13.02.2022	

	February (14-19)	WAVE EQUATION IN ONE, TWO DIMENSIONS
		EXAMPLES
19		EXAMPLES
19		HEAT EQUATION IN ONE TWO DIMENSIONS
		EXAMPLES
		EXAMPLES
		SUNDAY - 20.02.2022
20	February (21-22)	DOUBTS
20		CLASS TEST

Teaching Term : (06.10.2021 to 22.02.2022)

(Odd Semester)

Weekly Lesson Plan UG (IIIrd Semester)

Name of the Paper:- Statics

Class: B.Sc. - II

Name of the Teachers (Section wise): DEEPALI

WEEK	DATE	TOPICS	
		Orientation Programme	
	October	HOLIDAY - 07.10.2021 - Maharaja Agarsen Jayanti	
1	(6 - 9)	Orientation Programme	
		Orientation Programme	
		SUNDAY - 10.10.2021	
		Hawan ceremony	
		Mechanics and its Branches, Definitions related to Statics	
2	October	Forces Acting at a Point	
	(11-16)	Resultant and Components	
		HOLIDAY - 15.10.2021 - DUSSEHRA	
		Parallelogram Law of Forces	
SUNDAY - 17.10.2021			
		Questions based on Parallelogram Law of Forces	
		Questions based on Parallelogram Law of Forces	
3	October	Holiday - 20.10.2021 - Maharishi Valmiki Jayanti	
	(18-23)	Resolved parts of a force	
		Resolved parts of a force	
		Triangle Law of Forces	
SUNDAY - 24.10.2021			
		Triangle Law of Forces	
		Lami's Theorem	
4	October	Questions based on Lami's Theorem	
	(25 -30)	Questions based on Lami's Theorem	
		Theorem of Resolved Parts	
		Theorem of Resolved Parts	
	VACATIC	ONS: 31.10.2021 to 07.11.2021 - DIWALI BREAK	

Conditions of Equilibrium of Concurrent Forces Conditions of Equilibrium of Concurrent Forces Equilibrium of Bodies on Inclined Plane			
November Equilibrium of Dedice on Indianal Diana			
5 Equinitian of Douldo of Home Ariano			
(8 -13) Problem Discussion of ch-1			
Test of ch-1			
Parallel Forces			
SUNDAY - 14.11.2021			
Resultant of Parallel Forces			
Resultant of Parallel Forces			
6 Centre of Parallel Forces			
(15 -20) Theorem of Resolved Parts and related questions			
Holiday -19.11.2021 - Guru Nanak Dev Jayanti			
Theorem of Resolved Parts and related questions			
SUNDAY - 21.11.2021			
Problem Discussion of ch-2			
Test of ch-2			
7 November Moment of a Force			
(22-27) Moment of a Force			
Varignon's Theorem and related articles			
Varignon's Theorem and related articles			
SUNDAY - 28.11.2021			
Questions based on Varignon's Theorem			
Questions based on Varignon's Theorem			
(29-30) Centre of a number of Parallel Forces			
Centre of a number of Parallel Forces			
Couples, moments of couple			
equilibrium & equivalence of couples and its theorems			
SUNDAY - 5.12.2021			

		Resultant of force and a couple				
	December	Problem discussion of ch-3,4				
		Test of ch-3,4				
9	(6-11)	Equilibrium of three force acting at a point				
		Conditions of equilibrium on rigid body				
		Condition of equilibrium on any number of coplanar forces				
		SUNDAY - 12.12.2021				
		Friction(Introduction)				
		Laws of Friction				
10	December	Articles based on Friction				
	(13-18)	Articles based on Friction				
		Questions based on Friction				
		Questions based on Friction				
	SUNDAY - 19.12.2021					
		Equilibrium of Rods and Ladders				
		Equilibrium of Rods and Ladders				
11	December (20-25)	Problem discussion of ch-5,6				
		Test discussion of ch-5,6				
		Centre of Gravity of numbers of particles				
		Holiday -25.12.2021 - Christmas				
	SUNDAY - 26.12.2021					
		C.O.G.of uniform rod,lamina,trapezium lamina				
	December	C.O.G. of uniform quadrilateral lamina,trapezium lamina				
12	(27-31)	Questions based on Centre of Gravity				
12		Questions based on Centre of Gravity				
		C.O.G. by integration of uniform rod,lamina				
	January (1)	C.O.G. of right circular solid cone,an arc of plane curve				
		SUNDAY -02.01.2022				
		Questions based on Centre of Gravity by Integration				
		Questions based on Centre of Gravity by Integration				
	January (3-8)	Questions based on Centre of Gravity by Integration				
13		Work, units of work				
		Work done by numbers of particles				
		Virtual work,Principle of virtual work				
		SUNDAY - 09.01.2022				

		Important results and theorems
		Forces which may be omitted in virtual work
14	January	Body resting on inclined plane ,on elastic strings
14	(10-15)	Problem discussion of ch-7,8
		Test of ch-7,8
		Forces in Three Dimensions
		SUNDAY - 16.01.2022
		Parallelopiped of forces
		Results of couples
15	January	Axis of couples
12	(17-22)	Composition of couples
		Analytical method for resultant of any number of forces
		Condition of equilibrium ,Poinsot's central axis
		SUNDAY - 23.01.2022
		System of forces reduce to single forces, Invariants
		Equation of central axis
16	January	Holiday - 26.01.2022 - Republic day
10	(24-29)	Introduction to wrenches
		Resultant wrench of two given wrenches
		System of forces replaced by two forces in an infinite ways
		SUNDAY - 30.01.2022
	January(31)	Axes of two given wrenches intersect at right angles
		Any wrench may be resolved into two wrenches in infinite ways
17	February(1-4)	Questions based on Wrenches
		Questions based on Wrenches
		Problem discussion of ch-9,10
		Holiday - 05.02.2022 - Vasant Panchami
		SUNDAY - 6.02.2022
		Test of ch-9,10
		Null lines & null planes
18	February	Equation of null plane
	(7-12)	Find null point of plane for system of forces
		Condition that straight may be null
		Find equation of conjugate line of given line
		SUNDAY - 13.02.2022

		Questions based on null lines
	February	Equilibrium of bodies,Position of equilibrium
19		Condition of stability of equilibrium
19	(14-19)	Find whether equilibrium is stable or not
		A body resting inside other fixed concave body
		Problem discussion of ch-11,12
		SUNDAY - 20.02.2022
20	February	Test of ch-11,12
20	(21-22)	Discussion of previous year question papers
ļ		

I.B. (PG) COLLEGE, PANIPAT (SESSION 2021-2022) 2.02.2022) (Odd Semester)

Teaching Term : (06.10.2021 to 22.02.2022)

Weekly Lesson Plan UG (IIIrd Semester)

Name of the Paper:--Computer Programming & Thermodynamics class: b.sc-ii

Name of the Teachers (Section wise): Ms.SONIA

WEEK	DATE	TOPICS	
1	October (6 - 9)	HOLIDAY - 07.10.2021 - Maharaja Agarsen Jayanti	
		SUNDAY - 10.10.2021	
2	October (11-16)	Thermodynamic-1 : Thermodynamic system and Zeroth law of thermodynamics. First law of thermodynamics and its limitations Reversible and irreversible process. HOLIDAY - 15.10.2021 - DUSSEHRA	
SUNDAY - 17.10.2021			
3	October (18-23)	Second law of thermodynamics significance, Carnot theorem Absolute scale of temperature, Absolute Zero and magnitude of each division on work scale and perfect gas Holiday - 20.10.2021 - Maharishi Valmiki Jayanti	
	<u>.</u>	SUNDAY - 24.10.2021	
4	October (25 -30)	Joule's free expansion, , Joule Thomson effect, Joule-Thomson (Porous plug) experiment, conclusions and explanation Analytical treatment of Joule Thomson effect. Entropy calculations of entropy of reversible and irreversible processT-S diagram	
	ļ	VACATIONS: 31.10.2021 to 07.11.2021 - DIWALI BREAK	
		VACATIONS: 51.10.2021 (0 07.11.2021 - DIWALI DILLAR	

		entropy of a perfect gas
		Nernst heat law(third law of thermodynamics) Liquefaction of oxygen
5		Liquefaction of hydrogen
3	(8 -13)	
		SUNDAY - 14.11.2021
		Liquefaction of helium
		Liquefaction of air
	November	Solidification of He below 4K, Cooling by adiabatic demagnetization
6	(15 -20)	
	(13-20)	Holiday -19.11.2021 - Guru Nanak Dev Jayanti
		Holiday -19.11.2021 - Guru Nanak Dev Jayanti
		SUNDAY - 21.11.2021
		THERMODYNAMICS-11 : Derivation of Clausius-Clapeyron and Clausius latent heat equation and their
	November (22-27)	significance
		latent heat second equation
7		Development of Maxwell thermodynamical relations, Thermodynamical
	l	SUNDAY - 28.11.2021
		functions:Internal energy (U)Helmholtz function (F), Enthalpy (H),
	November	Gibbs function (G)
	(29-30)	Derivation of Maxwell thermodynamical relations from thermodynamical functions
8	December	
	(1-4)	
	(,	
		SUNDAY - 5.12.2021
		Application of Maxwell relations: relations between two specific heats of gas
		Specific heat of saturated vapours, phase diagram and triple point of a substance
	December	Derivation of Clausius-Clapeyron and Clausius equation
9	(6-11)	
	(0-11)	
	L	
		SUNDAY - 12.12.2021

		Variation of intrinsic energy with volume for (i) perfect gas (ii)Vanderwall gas (iii)solids and liquids	
		Derivation of Stefans law	
10	December	Adiabatic compression and expention of gas	
	(13-18)		
		SUNDAY - 19.12.2021	
		Deduction of theory of Joule Thomson effect	
	December	Numerical Problems	
11	(20-25)		
11	(20-23)		
		Holiday -25.12.2021 - Christmas	
		SUNDAY - 26.12.2021	
		Computer Programming : Computer organization,	
	December		
	(27-31)	Algorithm development	
12			
	January (1)		
	sundary (1)		
	1	SUNDAY -02.01.2022	
		Flow charts and their interpretation.	
		FORTRAN Preliminaries: Integer and floating point arithmeticexpression	
13		built in functions, executable and non-executable statements	
	(3-8)	input and output statements	
		SUNDAY - 09.01.2022	
		Formats, IF statement	
		DO statement and GO TO statement	
	January	Conditional Test	
14	(10-15)		
	(10 15)		
	1	SUNDAY - 16.01.2022	
		Dimension arrays, Statement function	
		function subprogram.Application of Fortran Programming: Flow Chart	
4-		and Programming for Print out of Natural numbers	
15			
	, <i>,</i>		
	•	SUNDAY - 23.01.2022	

	-		
		Range of the set of given numbers	
		Ascending and descending order	
16	January	Holiday - 26.01.2022 - Republic day	
10	(24-29)		
		SUNDAY - 30.01.2022	
	January(31)		
		Mean and standard deviation	
17	Tahunamuld d	Least square fitting of curve,	
	February(1-4	Roots of quadratic equation	
		Holiday - 05.02.2022 - Vasant Panchami	
	SUNDAY - 6.02.2022		
		Product of two matrices	
		Numerical integration by Simpson 1/3 rule	
18	February	Numerical integration by Trapezoidal rule	
10	(7-12)		
		SUNDAY - 13.02.2022	
		Numerical problems	
		revision	
19	February	revision	
15	(14-19)		
		SUNDAY - 20.02.2022	
20	February	revision	
20	(21-22)	revision	

Teaching Term : (06.10.2021 to 22.02.2022) Weekly Lesson Plan UG (IIIrd Semester) Name of the Paper:- WAVE OPTICS

Class: B.SC-2nd year

(Odd Semester)

Name of the Teachers (Section wise): DEEPA SAINI

WEEK	DATE	TOPICS			
		UNIT-I (INTERFERENCE-I)BASICS OF OPTICS, INTRODUCTION TO INTERFERENCE OF LIGHT BY DIVISION OF WAVEFRONT, TYPES OF INTERFERENCE			
1	October (6 - 9)	HOLIDAY - 07.10.2021 - Maharaja Agarsen Jayanti			
		EXPERIMENT DEMONSTRATION OF INTERFERENCE -YOUNG'S DOUBLE SLIT EXPERIMENT			
	•	SUNDAY - 10.10.2021			
		COHERENT SOURCES, CONDITION FOR GOOD INTERFERENCE FRINGES, PHASE DIFFERENCE AND PATH DIFFERENCE			
		ANALYTICAL TREATMENT OF INTERFERENCE, ENERGY DISTRIBUTION CURVE, NUMERICALS			
2	October	FRESNEL'S BIPRISM AND DETERMINATION OF WAVELENGTH, FRINGES WITH WHITE LIGHT USING BIPRISM			
	(11-16)				
		HOLIDAY - 15.10.2021 - DUSSEHRA			
	SUNDAY - 17.10.2021				
		FRESNEL'S BIPRISM FRINGES WITH WHITE LIGHT USING BIPRISM			
		LOCATION OF CENTRAL FRINGE, NUMERICALS			
3	October (18-23)	Holiday - 20.10.2021 - Maharishi Valmiki Jayanti			
		DETERMINATION OF THICKNESS OF THIN SHEET OF TRANSARENT MATERIAL			
	l				
-	SUNDAY - 24.10.2021				
		LLOYD'S MIRROR ,NUMERICALS			
		DIFFERENCE BETWEEN BI-PRISM AND LLYOD MIRROR FRINGES, CONCEPTUAL QUESTIONS			
4	October (25 -30)	PHASE CHANGE ON REFLECTION (STOKE'S LAW) DISCUSSION OF PROBLEMS BASED ON UNIT-I			
		VACATIONS: 31.10.2021 to 07.11.2021 - DIWALI BREAK			

			UNIT-II INTERFERENCE BY A PLANE PARALLEL FILM ILLUMINATED BY A PLANE WAVE	
			INTERFERENCE OF LIGHT IN THIN FILM(TRANSMITTED LIGHT)	
5	November	(8 -13)	INTENSITY OF MAXIMA AND MINIMA IN REFLECTED BEAMS IN THIN FILMS	
,	November	(0 -13)		
			SUNDAY - 14.11.2021	
-	1		INTENSITY OF MAXIMA AND MINIMA IN TRANSMITTED BEAMS IN THIN FILMS, NUMERICALS	
	N	145	PRODUCTIONS OF COLOURS IN THIN FILMS , INTERFERENCE BY A PLANE PARALLEL FILM WHEN ILLUMINATED BY A POINT SOURCE	
6	November 20)	(15		
			Holiday -19.11.2021 - Guru Nanak Dev Jayanti	
	r		SUNDAY - 21.11.2021	
			NECESSITY OF AN EXTENDED SOURCE , CLASSIFICATION OF FRINGES IN THIN FILMS	
			INTERFERENCE BY A WEDGE-SHAPED FILM ILLUMINATED BY A PLANE WAVE	
7	November	r	NEWTON'S RINGS (THEORY, WORKING AND DERIVATION), ASSIGNMENT GIVEN	
	(22-27)			
			SUNDAY - 28.11.2021	
			NEWTON'S RINGS BY TRANSMITTED LIGHT , DETERMINATION OF WAVELENGTH	
		(22	DETERMINATION REFRACTIVE INDEX OF A LIQUID BY NEWTON'S RINGS , NEWTON'S RINGS WITH WHITE LIGHT	
_	November 30)	(29- r	NEWTON'S RINGS WITH A BRIGHT CENTRE IN REFLECTED LIGHT , NEWTON'S RINGS WITH PLANE MIRROR INSTEAD OF GLASS PLATE	
8	December			
	(1-4)			
	•		SUNDAY - 5.12.2021	
	I		CONDITIONAL TEST	
			MICHELSON INTERFEROMETER	
	Describer			
9	December (6-11)	r	FORM OF FRINGES , DETERMINATION OF WAVELENGTH OF MONOCHROMATIC LIGHT	
	I			
	1		SUNDAY - 12.12.2021	
			STANDARDISATION OF METRE ,NUMERICALS	
			UNIT-III (DIFFRACTION-I) HUYGENS-FRESNEL THEORYFRESNEL'S ASSUMPTIONS	
10	December	r	RECTILINEAR PROPAGATION OF LIGHT	
	(13-18)			
			SUNDAY - 19.12.2021	
			FRESNEL'S HALF PERIOD ZONE	
			ZONE PLATE	
11	December	r		
11	(20-25)			
			Holiday -25.12.2021 - Christmas	
	•		SUNDAY - 26.12.2021	

	1	
		DIFFRACTION AT A STRAIGHT EDGE
	December (27-31)	DIFFRACTION AT A RECTANGULAR SLIT
		DIFFRACTION AT A CIRCULAR APERTURE
12		
	January (1)	
		SUNDAY -02.01.2022
		DIFFRACTION DUE TO A NARROW SLIT AND DIFFRACTION DUE TO A NARROW WIRE
		NUMERICALS ON BASED OF UNIT (iii)
13	January	CONCEPTUALS PROBLEMS ON BASED OF UNIT (iii)
	(3-8)	
		SUNDAY - 09.01.2022
		UNIT IV (DIFFRACTION-II) FRAUNHOFFER DIFFRACTION : ONE SLIT DIFFRACTION , ASSIGNMENT-II
		ANALYTICAL TREATMENT OF INTENSITY DISTRIBUTION IN DIFFRACTION DUE TO SINGLE SLIT
14	January (10-15)	REVISION
	(10 10)	
		SUNDAY - 16.01.2022
		FRAUNHOFFER DIFFRACTION AT A DOUBLE SLIT
		FRAUNHOFFER DIFFRACTION AT A 'N' SLIT
		FRAUNHOFFER DIFFRACTION AT A 'N' SLIT (THEORY OF PLANE DIFFRACTION GRATING)
15	January (17-22)	
	. ,	
		SUNDAY - 23.01.2022
		DISPERSIVE POWER OF GRATING ,LIMIT OF RESOLUTION
		RAYLEIGH'S CRITERION
	January	Holiday - 26.01.2022 - Republic day
16	(24-29)	
		SUNDAY - 30.01.2022
	January(31)	RESOLVING POWER OF TELESCOPE
		RESOLVING POWER OF GRATING
17	February(1-4)	DIFFERENCE BETWEEN PRISM AND GRATING SPECTRA
		Holiday - 05.02.2022 - Vasant Panchami
		SUNDAY - 6.02.2022
		NUMERICALS ON BASED OF UNIT (IV)
		CONCEPTUAL PROBELEMS ON BASED OF UNIT (IV)
	February	
18	(7-12)	
		SUNDAY - 13.02.2022
		REVISION
		REVISION
40	February	REVISION
19	February (14-19)	REVISION
19		REVISION
19		REVISION
19		
19	(14-19)	REVISION
20		

Teaching Term : (06.10.2021 to 22.02.2022)

(Odd Semester)

Weekly Lesson Plan UG (IIIrd Semester)

Name of the Paper:- Mammalian Physiology-I Class: B.Sc. IIIrd Semester (Zoology)

Name of the Teachers (Section wise): Pawan Kumar

WEEK	DATE	TOPICS		
	October	HOLIDAY - 07.10.2021 - Maharaja Agarsen Jayanti		
1	(6 - 9)	Introduction to Biochemistry		
		Introduction to Biochemistry		
		SUNDAY - 10.10.2021		
2	October (11-16)	Proteins		
		HOLIDAY - 15.10.2021 - DUSSEHRA		
		Proteins		
		SUNDAY - 17.10.2021		
3	October (18-23)	Holiday - 20.10.2021 - Maharishi Valmiki Jayanti Proteins Proteins Proteins Proteins		
SUNDAY - 24.10.2021				
4	October (25 -30)	Proteins Proteins Proteins		
VACATIONS: 31.10.2021 to 07.11.2021 - DIWALI BREAK				

5	November (8 -13)	Proteins Proteins Carbohydrates	
		SUNDAY - 14.11.2021	
6	November (15 -20)	Carbohydrates Holiday -19.11.2021 - Guru Nanak Dev Jayanti Carbohydrates	
		SUNDAY - 21.11.2021	
7	November (22-27)	Carbohydrates Carbohydrates Carbohydrates Carbohydrates	
SUNDAY - 28.11.2021			
8	November (29-30) December (1-4)	Lipids Lipids Lipids	
	SUNDAY - 5.12.2021		

9			
	December		
	(6-11)	Lipids	
		Lipids	
		Lipids	
		SUNDAY - 12.12.2021	
10	December		
	(13-18)	Enzymes	
		Enzymes	
		Transport through Biomembrane	
		SUNDAY - 19.12.2021	
11	December (20-25)		
	()	Transport through Biomembrane	
		Class Test	
		Holiday -25.12.2021 - Christmas	
		SUNDAY - 26.12.2021	
	December (27-31)		
12		Nutrition	
		Nutrition	
	January (1)	Nutrition	
SUNDAY -02.01.2022			
	January (3-8)		
13			
		Nutrition	
		Nutrition	
		Nutrition	
		SUNDAY - 09.01.2022	

	January (10-15)			
14				
		Nutrition Nutrition		
		Nutrition SUNDAY - 16.01.2022		
		SUNDAT - 10.01.2022		
15	January (17-22)			
	(17-22)	Assignment		
		Class Test		
		Muscles		
		SUNDAY - 23.01.2022		
16	January	Holiday - 26.01.2022 - Republic day		
10	(24-29)	Muscles		
		Muscles		
		Muscles		
SUNDAY - 30.01.2022				
	January(31)			
14	February(1-4)	Muscles		
		Muscles		
		Muscles		
	Holiday - 05.02.2022 - Vasant Panchami			
		SUNDAY - 6.02.2022		
	February (7-12)			
15		Class Test		
		Bones		
		Bones		
		SUNDAY - 13.02.2022		

16	February (14-19)	Bones Revision Revision
		SUNDAY - 20.02.2022
17	February (21-22)	

(Odd Semester)

Teaching Term : (06.10.2021 to 22.02.2022) Weekly Lesson Plan UG (Ist / IIIrd / Vth Semester) Name of the Paper:- Life and Diversity of Chordates - I

Class: B.sc. Medical 3rd semester

Name of the Teachers (Section wise): BHAWNA MALIK

WEEK	DATE	TOPICS	
1	October (6 - 9)	HOLIDAY - 07.10.2021 - Maharaja Agarsen Jayanti	
	ļ	SUNDAY - 10.10.2021	
2	October (11-16)	Introduction to Animal kingdom Classification of animal kingdom Introduction to chordates	
		HOLIDAY - 15.10.2021 - DUSSEHRA	
		SUNDAY - 17.10.2021	
3	October (18-23)	General characters of chordates General characters of chordates Holiday - 20.10.2021 - Maharishi Valmiki Jayanti	
SUNDAY - 24.10.2021			
4	October (25 -30)	General characters of chordates Origin of chordates Classification of chordates	
VACATIONS: 31.10.2021 to 07.11.2021 - DIWALI BREAK			

5		Classification of chordates		
		Urochordata characterstics and classification and affinities		
	November	Urochordata characterstics and classification and affinities		
5	(8 -13)			
		SUNDAY - 14.11.2021		
		class activity		
		Type study: Herdmania		
6	November	Type study: Herdmania		
Ů	(15 -20)			
		Holiday -19.11.2021 - Guru Nanak Dev Jayanti		
		SUNDAY - 21.11.2021		
	November (22-27)	Type study: Herdmania		
		Type study: Herdmania		
7		Type study: Herdmania		
	SUNDAY - 28.11.2021			
		Revision test		
	November (29-30) December (1-4)	Cephalochordata characterstics and classification and affinities		
8		Cephalochordata characterstics and classification and affinities		
SUNDAY - 5.12.2021				

9			
	December (6-11)		
	(0-11)		
		SUNDAY - 12.12.2021	
		Cephalochordata characterstics and classification and affinities	
		Type study: Amphioxus	
10	December	Revision test	
	(13-18)		
	r	SUNDAY - 19.12.2021	
		Cyclostomata characterstics and classification and affinities	
		Cyclostomata characterstics and classification and affinities	
11	December (20-25)	Cyclostomata characterstics and classification and affinities	
		Holiday -25.12.2021 - Christmas	
	1	SUNDAY - 26.12.2021	
		Type study: Petromyzon	
	December (27-31)	Chondrichthyes characterstics and Osteichthyes characterstics	
13		class activity	
12			
	January (1)		
	SUNDAY -02.01.2022		
		Type study Labeo	
	January (3-8)	Type study Labeo	
		Type study Labeo	
13			
		SUNDAY - 09.01.2022	

14		Pisces: Scales		
		Pisces: Scales		
	January	Pisces: Scales		
	(10-15)			
	<u> </u>	SUNDAY - 16.01.2022		
		Pisces: Fins		
		Pisces: Fins		
	January	Pisces: Fins		
15	(17-22)			
	Į	SUNDAY - 23.01.2022		
		Pisces: Parental care in fishes		
		Pisces: Parental care in fishes		
	January	Holiday - 26.01.2022 - Republic day		
16	(24-29)			
		SUNDAY - 30.01.2022		
	January(31)	Pisces: Parental care in fishes		
		Pisces: fish migration		
17		Pisces: fish migration		
	February(1-4)			
		Holiday - 05.02.2022 - Vasant Panchami		
		SUNDAY - 6.02.2022		
		class activity		
		Revision		
18	February	Revision		
10	(7-12)			
		SUNDAY - 13.02.2022		
		Revision		
		Revision		
10	February (14-19)	Revision		
19				
		SUNDAY - 20.02.2022		
	February (21-22)	Revision test		
20		Revision test		