Class: B.sc. Medical (zoology) Ist semester

Name o	Name of the Teachers (Section wise): BHAWNA MALIK			
WEEK	DATE	TOPICS		
1	October	HOLIDAY - 07.10.2021 - Maharaja Agarsen Jayanti		
1	(6 - 9)	Introduction of Invertebrates		
		Introduction of Invertebrates		
		SUNDAY - 10.10.2021		
2	October			
	(11-16)	General characters of Invertebrates		
		HOLIDAY - 15.10.2021 - DUSSEHRA		
		General characters of Invertebrates		
	SUNDAY - 17.10.2021			
3	October	Holiday - 20.10.2021 - Maharishi Valmiki Jayanti		
	(18-23)	Outline classification of animals		
		Protozoa: General characters		
		Protozoa: classification up to order level		
		SUNDAY - 24.10.2021		
4	October (25 -30)			
	(23-30)	Protozoa: classification up to order level		
		Protozoa: classification up to order level		
		Protozoa: Biodiversity		
VACATIONS: 31.10.2021 to 07.11.2021 - DIWALI BREAK				

	November			
5	(8 -13 )			
		Protozoa: Economic importance		
		Protozoa: Economic importance		
		Protozoa: Economic importance		
	ı	SUNDAY - 14.11.2021		
	November			
6	(15 -20 )	Revision		
		Holiday -19.11.2021 - Guru Nanak Dev Jayanti		
		Revision Test SUNDAY - 21.11.2021		
	I	SUNDAY - 21.11.2021		
7	November			
'	(22-27)	Type study of Plasmodium		
		Type study of Plasmodium		
		Type study of Plasmodium		
		SUNDAY - 28.11.2021		
	November			
8	(29-30) December			
	(1-4)	Parasitic protozoans: Life history, mode of infection and pathogenecity of Entamoeba		
		Parasitic protozoans: Life history, mode of infection and pathogenecity of Entamoeba		
		Parasitic protozoans: Life history, mode of infection and pathogenecity of Entamoeba		
		SUNDAY - 5.12.2021		
	December			
9	(6-11)			
		Parasitic protozoans: Life history, mode of infection and pathogenecity of <i>Trypanosoma</i>		
		Parasitic protozoans: Life history, mode of infection and pathogenecity of <i>Trypanosoma</i>		
		Parasitic protozoans: Life history, mode of infection and pathogenecity of <i>Trypanosoma</i>		
	SUNDAY - 12.12.2021			
10	December (13-18)			
10		Parasitic protozoans: Life history, mode of infection and pathogenecity of <i>Leishmania</i>		
		Parasitic protozoans: Life history, mode of infection and pathogenecity of <i>Leishmania</i>		
		Parasitic protozoans: Life history, mode of infection and pathogenecity of <i>Leishmania</i>		
SUNDAY - 19.12.2021				

11	December (20-25)			
	, ,	Parasitic protozoans: Life history, mode of infection and pathogenecity of Giardia		
		Parasitic protozoans: Life history, mode of infection and pathogenecity of <i>Giardia</i>		
		Holiday -25.12.2021 - Christmas		
		SUNDAY - 26.12.2021		
	December			
12	(27-31)			
		Revision Test		
		Porifera: General characters and classification up to order level		
	January (1)	Boulface, Biodicardth, and Faceautic incombace		
		Porifera: Biodiversity and Economic importance SUNDAY -02.01.2022		
13	January			
	(3-8)	class activity		
		Type study – Sycon		
		Type study – Sycon		
	SUNDAY - 09.01.2022			
	January (10-15)			
14		Type study – Sycon		
		Type study – Sycon		
		Canal system in sponges		
		SUNDAY - 16.01.2022		
15	January (17-22)			
15		Revision		
		Revision Test		
	Ultrastructure of different cell organelles of animal cell SUNDAY - 23.01.2022			
		11 P.1		
16	January (24-29)	Holiday - 26.01.2022 - Republic day		
		Plasma Membrane: Fluid mosaic model, various modes of transport across the membrane		
		Plasma Membrane: mechanism of active and passive transport, endocytosis and excytosis		
		Endoplasmic reticulum (ER): types, role of ER in protein synthesis and transportation in animal cell.		
		SUNDAY - 30.01.2022		

	January(31)	
17	February(1-4)	Golgi complex: Structure, Associated enzymes and role of golgi-complex in animal cell.
	rebluary(1-4)	class activity
		Ribosomes:Types, biogenesis and role in protein synthesis
		Holiday - 05.02.2022 - Vasant Panchami
		SUNDAY - 6.02.2022
	February	
18	(7-12)	
		Lysosomes: Structure, enzyme and their role
		Mitochondria
		Cytoskeleton: Microtubules, microfilaments, centriole and basal body
		SUNDAY - 13.02.2022
	February	
19	(14-19)	Cilia and Flagella
		class activity
		·
		Revision Test SUNDAY - 20.02.2022
		3UNDAT - 2U.UZ.ZUZZ
20	February	
	(21-22)	

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

Name of the Paper:- Life and Diversity from Coelentrata to Helminths & Cell Biology – II Class: B.sc 1st Zoology

Name of the Teachers (Section wise): Monika

WEEK	DATE	TOPICS
1	October	Coelentrata - General characters  HOLIDAY - 07.10.2021 - Maharaja Agarsen Jayanti
	(6 - 9)	Biodiversity of Coelentrata
		SUNDAY - 10.10.2021
		Economic importance of Coelentrata
		Type study of Obelia
2	October (11-16)	Type study of Obelia
		HOLIDAY - 15.10.2021 - DUSSEHRA
SUNDAY - 17.10.2021		
		Type study of Obelia
		Type study of Obelia
3	October	Holiday - 20.10.2021 - Maharishi Valmiki Jayanti
	(18-23)	
		SUNDAY - 24.10.2021
		Type study of Obelia
		Type study of Obelia
4	October (25 -30)	Type study of Obelia
		VACATIONS: 31.10.2021 to 07.11.2021 - DIWALI BREAK

		Type study of Obelia	
		Type study of Obelia	
5	November	Type study of Obelia	
	(8 -13 )		
		SUNDAY - 14.11.2021	
		Metagenesis of Obelia colony	
		Polyp V/S medusa	
6	November	Coral and coral reefs	
	(15 -20 )		
		Holiday -19.11.2021 - Guru Nanak Dev Jayanti	
		SUNDAY - 21.11.2021	
		polymorphism in siphonophores	
		Helminths - General characters	
7	November	Biodiversity of helminths	
'	(22-27)		
		SUNDAY - 28.11.2021	
		Economic importance of helminths	
	November (29-30) December	Type study - fasciola hepatica	
		Type study - fasciola hepatica	
8			
	(1-4)		
		SUNDAY - 5.12.2021	
		Type study - fasciola hepatica	
		Type study - fasciola hepatica	
9	December (6-11)	Type study - fasciola hepatica	
9			
		SUNDAY - 12.12.2021	

10		Type study - fasciola hepatica
		Helminths parasites
	December	Helminths parasites
10	(13-18)	
		SUNDAY - 19.12.2021
		Oxyuris
		Nuclear membrane
11	December (20-25)	Necleolus
	(20-23)	
		Holiday -25.12.2021 - Christmas
		SUNDAY - 26.12.2021
	December (27-31)	Euchromatin and Heterochromatin chromosome
		Nucleosome
		Lambrush chromosome
12		
	January (1)	
		SUNDAY -02.01.2022
		Polytene chromosome
		Mitosis
	January	Mitosis
13	(3-8)	MICOS
		SUNDAY - 09.01.2022

	January	Mitosis
		Meiosis
14		Meiosis
14	(10-15)	
		SUNDAY - 16.01.2022
		Meiosis
		Meiosis
15	January	Meiosis
13	(17-22)	
		SUNDAY - 23.01.2022
		Cause of cancer
		Cause of cancer
16	January	Holiday - 26.01.2022 - Republic day
	(24-29)	
		SUNDAY - 30.01.2022
	January(31)	Cause of cancer
		Cause of cancer
17	February(1-4)	Cause of cancer
		Holiday - 05.02.2022 - Vasant Panchami
		SUNDAY - 6.02.2022
		T
		cellular basis of immunity
	February (7-12)	cellular basis of immunity
18		cellular basis of immunity
		SUNDAY - 13.02.2022
		cellular basis of immunity
		cellular basis of immunity
	February	cellular basis of immunity
19	(14-19)	Centuri busis of minimum y
		SUNDAY - 20.02.2022
	February	
20	(21-22)	

Teaching Term: (06.10.2021 to 22.02.2022) (Odd Semester)

Weekly Lesson Plan UG ( Ist Semester )

Name of the Paper:- Electricity, Magnetism and Electromagnetic theory Class: B.Sc I

Name of the Teachers (Section wise): Garima Tarika

WEEK	DATE	TOPICS
1	October (6 - 9)	Unit I: Vector background and Electric field : Gradient of a scalar and  HOLIDAY - 07.10.2021 - Maharaja Agarsen Jayanti  its physical significance
		SUNDAY - 10.10.2021
2	October (11-16)	Line, Surface integrals of a vector and their physical significance.  HOLIDAY - 15.10.2021 - DUSSEHRA
		SUNDAY - 17.10.2021
3	October (18-23)	Volume integrals of a vector and their physical significance  Numerical  Holiday - 20.10.2021 - Maharishi Valmiki Jayanti
		SUNDAY - 24.10.2021
4	October (25 -30)	Flux of a vector field,  Divergence of a vector and their physical significance
	VACA	TIONS: 31.10.2021 to 07.11.2021 - DIWALI BREAK

		Gauss's divergence theorem	
		Numerical	
5	November	Discussion	
	(8 -13 )		
		SUNDAY - 14.11.2021	
		Stoke's theorem	
		Derivation of electric field E from potential as gradient	
6	November		
	(15 -20 )		
		Holiday -19.11.2021 - Guru Nanak Dev Jayanti	
	SUNDAY - 21.11.2021		
		Derivation of Laplace and Poisson equations	
		Numericals	
7	November	Numericals	
,	(22-27)		
		SUNDAY - 28.11.2021	
		Electric flux, Gauss's Law	
	November	Numericals	
8	(29-30)	Mechanical force of charged surface	
	December (1-4)		
	(=-4)		
	SUNDAY - 5.12.2021		

		Energy per unit volume
9		Unit 2: Magnetism : Magnetic induction, Magnetic flux
	December	Numericals
	(6-11)	
		SUNDAY - 12.12.2021
		Solenoidal nature of vector field of induction
		properties of B (i) , (ii)
10	December	Numericals
10	(13-18)	
		SUNDAY - 19.12.2021
		Electronic theory of dia and paramagnetism
		Derivation
	December (20-25)	
11		
		Holiday -25.12.2021 - Christmas
		SUNDAY - 26.12.2021
		Domain theory of ferromagnetism (Langevin's theory)
	December	Cycle of magnetization- hystresis loop
	(27-31)	Numericals
12		
	January (1)	
		SUNDAY -02.01.2022
		Conditional Test
		Unit 3: Electromagnetism : Maxwell equations and their derivations
	January (3-8)	Derivation (Alternate Method)
13		
		SUNDAY - 09.01.2022
		JUNDA1 - 03.01.2022

		Derivation Continued
		Displacement current
		Numericals
14	January (10-15)	Numericals
	,,	
		CUNDAY 16 01 2022
		SUNDAY - 16.01.2022
		Vector and Scalar potentials,
		numericals
15	January (17-22)	Boundary conditions at interface between two different media
	(17 22)	
		SUNDAY - 23.01.2022
		Propagation of electromagnetic wave (Basic idea, no derivation),
		Poynting vector and Poynting theorem.
		Holiday - 26.01.2022 - Republic day
16	January (24-29)	Holiday - 20.01.2022 - Republic day
		SUNDAY - 30.01.2022
	January(31)	Unit 4: A. C. Analysis : A.C. circuit analysis using complex
		variable with (a) Capacitance and Resistance (b) Resistance and Inductance
17		(c) Capacitance and Inductance (LC)
	February(1-4)	
		Holiday - 05.02.2022 - Vasant Panchami
		SUNDAY - 6.02.2022
		Capacitance, Inductance and Resistance (LCR),
		Series and parallel resonance circuit, Quality factor (sharpness of resonance)
18	February	
10	(7-12)	
		SUNDAY - 13.02.2022
		Revision
		Revision
19	February	Revision
-	(14-19)	
		SUNDAY - 20.02.2022
20	February (21-22)	Revision
		Revision

(Odd Semester)

Teaching Term: (06.10.2021 to 22.02.2022) Weekly Lesson Plan UG (1st Semester)

Name of the Paper:- CLASSICAL MECHANICS Class: B.SC I

Name of the Teachers (Section wise). DEEDA SAINI

Name of the Teachers		(Section wise): DEEPA SAINI	
WEEK	DATE	TOPICS	
		UNIT-I (BASIC CONCEPTS OF CLASSICAL MECHANICS ) INTRODUCTION OF CLASSICAL MECHANICS , MECHANICS OF A SINGLE PARTICLE	
	October	HOLIDAY - 07.10.2021 - Maharaja Agarsen Jayanti	
1	(6 - 9)	TYPES OF FORCES, SOME IMPORTANT TERMS USED IN CLASSICAL MECHANICS AND THEIR BRIEF DESCRIPTION	
		SUNDAY - 10.10.2021	
	I	NEWTON'S SECOND LAW OF MOTION, WORK DONE IN TERMS OF KINETIC ENERGY AND	
		POTENTIAL ENERGY	
		CONSERVATION THEOREM OF LINEAR MOMENTUM FOR A SINGLE PARTICLE	
2	October (11-16)	CONSERVATION THEOREM OF ANGULAR MOMENTUM FOR A SINGLE PARTICLE	
	` '		
		HOLIDAY - 15.10.2021 - DUSSEHRA	
		SUNDAY - 17.10.2021	
		CONCEDUATION THEODERA OF ENERGY FOR A CINCLE PARTICLE	
		CONSERVATION THEOREM OF ENERGY FOR A SINGLE PARTICLE	
		MECHANICS OF A SYSTEM OF PARTICLES	
3	October (18-23)	Holiday - 20.10.2021 - Maharishi Valmiki Jayanti	
		SUNDAY - 24.10.2021	
		CONSERVATION THEOREM OF LINEAR AND ANGULAR MOMENTUM FOR A SYSTEM OF PARTICLES	
4		CONSERVATION THEOREM OF ANGULAR MOMENTUM OF A SYSTEM OF PARTICLES IN	
		TERMS OF C.M	
	October (25 -30)	CONSERVATION THEOREM OF ENERGY FOR A SYSTEM OF 'N' PARTICLES	
	VACATIONS: 24 40 2024 to 67 44 2024 DUMAN DESCRI		
	VACATIONS: 31.10.2021 to 07.11.2021 - DIWALI BREAK		

		KINETIC ENERGY IN TERM OF CENTRE OF MASS
		NUMERICALS AND CONCEPTUAL QUESTIONS
5	November	CONSTRAINTS AND THEIR CLASSIFICATION, EXAMPLES OF CONSTRAINTS
	(8 -13 )	
		SUNDAY - 14.11.2021
		DEGREE OF FREEDOM, DISCUSSION OF PROBLEMS BASED ON UNIT-I ASSIGNMENT -1
		DEGREES OF FREEDOM, GENERALIZED CO-ORDINATES,
6	November	TRANSFORMATION EQUATIONS ,GENERALIZED DISPLACEMENT
	(15 -20 )	GENERALIZED VELOCITY,GENERALIZED ACCELERATION
		Holiday -19.11.2021 - Guru Nanak Dev Jayanti
		SUNDAY - 21.11.2021
		GENERALIZED MOMENTUM
		GENERALIZED FORCE , GENERALIZED POTENTIAL
7	November	ADVANTAGES OF GENERALIZED COORDINATE
	(22-27)	
		SUNDAY - 28.11.2021
	November (29-30) December (1-4)	CONFIGURATION SPACE , HAMILTON'S VARIATIONAL PRINCIPLE
		DERVATION OF LAGRANGE'S EQUATIONS OF MOTION FROM HAMILTON 'S PRINCIPLE
8		LINEAR HARMONIC OSCILLATOR, ATWOOD'S MACHINE
		SUNDAY - 5.12.2021
		SIMPLE PENDULUM ,PROBLEM DISCUSSION
	December (6-11)	DISCUSSION OF PROBLEMS BASED ON UNIT-2,CONCEPTUAL QUESTIONS
9		CLASS TEST UNIT 2
		SUNDAY - 12.12.2021

10	December (13-18)	UNIT -III (THEORY OF RELATIVITY) FRAME OF REFERENCE , LIMITATION OF NEWTON'S LAW OF MOTION  INERTIAL FRAME OF REFERENCE, NON-INERTIAL FRAME OF REFERENCE  GALILEAN TRANSFORMATION , GALILEAN INVARIANCE (MEASUREMENT OF LENGTH & VELOCITY)	
		SUNDAY - 19.12.2021	
11	December (20-25)	CONDITIONAL TEST  GALILEAN INVARIANCE ( MEASUREMENT OF ACCELERATION) CONSERVATIONS LAWS  ACCORDING TO GALILEAN'S TRANSFORMATIONS (CONSERVATION OF MOMENTUM)  TRANSFORMATION EQUATION FOR A FRAME OF REFERENCE INCLINED TO AN INERTIAL FRAME	
		Holiday -25.12.2021 - Christmas	
		SUNDAY - 26.12.2021	
12	December (27-31)	TRANSFORMATION EQUATION FOR ROTATING FRAME OF REFERENCE , NON INERTIAL FRAME OF REFERENCE  THE ACCELERATED FRAME OF REFERENCE AND ROTATING FRAME OF REFERENCE  ASSIGNMENT -2	
	January (1)		
		SUNDAY -02.01.2022	
		EFFECT OF CENTRIFUGAL FORCE ON THE VALUE OF g due to Gravity on Earth	
		CORIOLIS FORCE EFFECT ON FREELY FALLING PARTICLE	
13	January	MICHELSON-MORLEY EXPERIMENT CONCEPT OF EINSTEIN'S RELATIVITY	
	(3-8)		
	SUNDAY - 09.01.2022		

		Innaniana nasan ayyuura			
14	January (10-15)	PROBLEM BASED ON UNIT 3			
		UNIT IV: (APPLICATION OF THEORY OF RELATIVITY ) SPECIAL THEORY OF RELATIVITY			
		LORENTZ COORDINATE AND PHYSICAL SIGNIFICANCE OF LORENTZ INVARIANCE			
	T	SUNDAY - 16.01.2022			
		LENGTH CONTRACTION , TIME DILATION			
		TWIN PARADOX, VELOCITY ADDITION THEOREM			
15	January	VELOCITY ADDITION THEOREM OF RELATIVISTIC ADDITION OF VELOCITIES			
	(17-22)				
		SUNDAY - 23.01.2022			
		VARIATION OF MASS WITH VELOCITY ,MASS ENERGY EQUIVALENCE			
		EINSTEIN'S MASS ENERGY RELATIONSHIP			
16	January	Holiday - 26.01.2022 - Republic day			
16	(24-29)				
	SUNDAY - 30.01.2022				
	January(31)	CLASS TEST UNIT 1			
		TRANSFORMATION OF RELATIVISTIC MOMENTUM AND ENERGY			
17	February(1-4)	RELATION BETWEEN RELATIVISTIC MOMENTUM AND ENERGY			
		Holiday - 05.02.2022 - Vasant Panchami			
		SUNDAY - 6.02.2022			
		NUMERICALS, CONCEPT BASED QUESTIONS			
	February (7-12)	MASS, VELOCITY ,MOMENTUM AND ENERGY OF ZERO REST MASS			
18		REVISION			
18					
		SUNDAY - 13.02.2022			

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

Teaching Term: (06.10.2021 to 22.02.2022) (Odd Semester)

Weekly Lesson Plan UG (Ist)

Name of the Paper:- Solid Geometry Class: B.Sc.- I

Name of the Teachers (Section wise): SOURAV

WEEK	DATE	TOPICS
	October	ORIENTATION PROGRAMME
		HOLIDAY - 07.10.2021 - Maharaja Agarsen Jayanti
1	(6 - 9)	ORIENTATION PROGRAMME
		ORIENTATION PROGRAMME
	•	SUNDAY - 10.10.2021
		HAWAN CEREMONY
		INTRODUCTION TO BASIC FACTS
2	October	CONIC SECTIONS
_	(11-16)	GENERAL EQUATION OF SECOND DEGREE
		HOLIDAY - 15.10.2021 - DUSSEHRA
		TO FIND THE LENGTH AND EQUATION OF THE AREAS OF A CENTRAL CONIC
		SUNDAY - 17.10.2021
		THE PARABOLA GENERAL
		PROBLEM DISCUSSION
3	October	Holiday - 20.10.2021 - Maharishi Valmiki Jayanti
	(18-23)	CH-2 TRACING OF A CENTRAL CONIC- ELLIPSE
		TRACING OF A HYPERBOLA
		TRACING OF A PARABOLA
		SUNDAY - 24.10.2021
		PROBLEM DISCUSSION
		TEST OF CH-1,2
4	October	CH-3 TANGENT AND NORMAL TO A CONIC
-	(25 -30)	THEOREMS ON TANGENT AND NORMAL TO A CONIC
		POLE AND POLAR
		NUMERICALS ON POLE AND POLAR OF CONIC

	November (8 -13 )	CH-4 SYSTEM OF CONICS
		RELATED ARCTICLES AND NUMERICAL OF SYSTEM OF CONICS
5		PROBLEM DISCUSSION OF CH-3,4
		TEST OF CH-3,4
		CH-5 CONFOCAL CONICS
		RELATED NUMERICAL
		SUNDAY - 14.11.2021
		POLAR COORDINATES
		STRAIGHT LINE IN POLAR FORM
6	November	CIRCLE IN POLAR FORM
	(15 -20 )	CONIC SECTION IN POLAR FORM
		Holiday -19.11.2021 - Guru Nanak Dev Jayanti
		RELATED NUMERICALS
		SUNDAY - 21.11.2021
		PROBLEM DISCUSSION OF CH-5,6
		TEST OF CH-5,6
7	November (22-27)	SPHERE-CENTRE,RADIUS AND VARIOUS FORM OF SPHERE
		SPHERE PASSING THROUGH FOUR POINTS
		PLANE SECTION OF A SPHERE
		RELATED NUMERICALS
		SUNDAY - 28.11.2021
		SPHERE PASSING THROUGH A GIVEN CIRCLE
	November	INTERSECTION OF TWO SPHERES
8	(29-30) December (1-4)	SPHERE AND A LINE
		RELATED NUMERICALS
		TANGENT TO A SPHERE
		DIAMETRAL AND POLAR PLANE
		SUNDAY - 5.12.2021

	December (6-11)	INTERSECTION OF TWO SPHERES	
		RADICAL PLANE	
		EQUATION OF CONE WITH GIVEN VERTEX AND CONIC AS BASE	
9		EQUATION OF RIGHT CIRCULAR CONE	
		EQUATION OF ENVELOPING CONE	
		CONE REPRESENTATION BY GENERAL EQUATION OF SECOND DEGREE	
		SUNDAY - 12.12.2021	
		RELATED NUMERICALS	
		EQUATION OF A QUADRIC CONE THROUGH AXES	
10	December	CONDITION OF CONE TO HAVE THREE PERPENDICULAR GENERATORS	
10	(13-18)	EQUATION OF A TANGENT PLANE	
		CONDITION OF TANGENCY	
		EQUATION OF RECIPROCAL CONE	
		SUNDAY - 19.12.2021	
		PROBLEM DISCUSSION OF CH-7,8	
		TEST OF CH-7,8	
11	December (20-25)	EQUATION OF CYLINDER WHOSE AXIS AND GUIDING CURVE ARE GIVEN	
11		EQUATION OF RIGHT CIRCULAR CYLINDER IN STANDARD FORM	
		EQUATION OF RIGHT CIRCULAR CYLINDER IN GENERAL FORM	
		Holiday -25.12.2021 - Christmas	
		SUNDAY - 26.12.2021	
		EQUATION OF THE ENVELOPING CYLINDER	
	December	CONICOID	
	(27-31)	EQUATION OF TANGENT PLANE	
12		CONDITION OF TANGENCY	
		THE EQUATION OF DIRECTOR SPHERE	
	January (1)		
	, , ,	NUMBER OF NORMALS FROM A GIVEN POINT  SUNDAY -02.01.2022	
		CUBIC CURVE THROUGH FEET OF SIX NORMALS	
	January (3-8)	QUADRIC CONE THROUGH SIX CONCURRENT NORMALS	
13		POLAR PLANE OF A POINT	
		RECIPROCAL PROPERTY	
		POLE OF A GIVEN SPHERE	
		CONDITIONS FOR TWO PLANE TO BE CONJUGATE	
	SUNDAY - 09.01.2022		

		POLAR OF A PLANE W.R.T. CONICOID		
		CONDITIONS OF TWO LINES TO BE CONJUGATE		
	January (10-15)			
14		EQUATION OF ENVELOPING CONE FROM THE POINT		
		ENVELOPING CYLINDER OF CONICOID		
		DIAMETRAL PLANE PROPERTY		
		PLANE SECTION WITH GIVEN CENTRE		
		SUNDAY - 16.01.2022		
		INTERSECTION OF A LINE AND PARABOLOID		
		CONDITION OF TANGENCY OF A LINE FOR PARABOLOID		
15	January (47, 22)	LOUCS OF POINTS OF INTERSECTION		
	(17-22)	NORMALS TO AN ELLIPTIC PARABOLOID		
		NUMBER OF NORMALS FROM A GIVEN POINT		
		PROBLEM DISCUSSION OF CH-9,10		
		SUNDAY - 23.01.2022		
		TEST OF CH-9,10		
		CENTRAL PLANE SECTION OF CENTRAL CONICOID		
16	January (24-29)	Holiday - 26.01.2022 - Republic day		
		NON-CENTRAL PLANE SECTION OF CENTRAL CONICOID		
		CIRCULAR SECTIONS		
		PLANE SECTIONS OF THE PARABOLOID		
	SUNDAY - 30.01.2022			
	January(31)	GENERATING LINES OF HYPERBOLIC OF ONE SHEET		
		GENERATING LINES OF HYPERBOLIC PARABOLOID		
17	February(1-4)	PROBLEM DISCUSSION OF CH-11,12		
	rebruary(1 4)	TEST DISCUSSION OF CH-11,12		
		CONFOCAL CONICOIDS		
		Holiday - 05.02.2022 - Vasant Panchami		
		SUNDAY - 6.02.2022		
		CONFOCALS THROUGH A GIVEN POINT		
		CONFOCALS THROUGH A GIVEN LINE		
18	February (7-12)	CONFOCALS TOUCHING A GIVEN LINE		
10		ELLIPTIC COORDINATES		
		PARAMETERS OF TWO CONFOCALS		
		LOCUS OF POLES OF PLANES		
		SUNDAY - 13.02.2022		

20	February (21-22)	PROBLEM DISCUSSION OF CH-13,14  TEST OF CH-13,14
	February (14-19)	SUNDAY - 20.02.2022
		PRINCIPAL DIRECTION AND PLANE, REDUCTION OF SECOND DEGREE EQ.
		DIAMETRAL PLANE CONJUGATE TO GIVEN DIRECTION
19		EQUATION OF CHORD BISECTED AT POINT
19		INTERSECTION OF LINE AND CONICOID
		TETRAHEDRON IS SELF POLAR,AXES OF ENVELOPING CONE
		NORMAL TO THE THREE CONFOCALS

Teaching Term: (06.10.2021 to 22.02.2022) (Odd Semester)

Weekly Lesson Plan UG ( lst )

Name of the Paper:- Calculus Class: B.sc. I

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

WEEK	DATE	TOPICS
		ORIENTATION
	October	HOLIDAY - 07.10.2021 - Maharaja Agarsen Jayanti
1	(6 - 9)	ORIENTATION
		ORIENTATION
		SUNDAY - 10.10.2021
		HAWAN
		Derivative of a Function, Basics of Differentiation and Integration
2	October	Successive Differentiation
_	(11-16)	Questions based on Successive Differentiation
		HOLIDAY - 15.10.2021 - DUSSEHRA
		Questions based on Successive Differentiation
		SUNDAY - 17.10.2021
		Differentiation of Parametric Functions
		Differentiation of Parametric Functions
3	October	Holiday - 20.10.2021 - Maharishi Valmiki Jayanti
	(18-23)	Differentiation using Partial Fractions
		Differentiation using Partial Fractions
		Differentiation using Partial Fractions
	T	SUNDAY - 24.10.2021
		Leibnitz's Theorem
		Questions based on Leibnitz's Theorem
4	October	Questions based on Leibnitz's Theorem
	(25 -30)	Questions based on Leibnitz's Theorem
		Applications of Leibnitz's Theorem
		Applications of Leibnitz's Theorem
		VACATIONS: 31.10.2021 to 07.11.2021 - DIWALI BREAK

	<u> </u>			
		Problem Discussion		
		Test		
5	November (8 -13 )	Taylor's Theorem with Lagrange's form of remainder Questions based on Taylor's Theorem		
	(8-13)	Questions based on Taylor's Theorem		
		Taylor's Theorem with Cauchy's form of remainder Questions based on Taylor's Theorem with Cauchy's form of remainder		
		Taylor's Theorem with Cauchy's form of remainder Questions based on Taylor's Theorem with Cauchy's form of remainder		
	I	SUNDAY - 14.11.2021		
		Infinite Series		
		Infinite Series		
6	November	Infinite Series		
	(15 -20 )	Infinite Series		
		Holiday -19.11.2021 - Guru Nanak Dev Jayanti		
		Applications of Taylor's Series		
	T	SUNDAY - 21.11.2021		
		Applications of Taylor's Series		
		Applications of Taylor's Series		
7	November	Applications of Taylor's Series		
,	(22-27)	Problem Discussion		
		Expansion by Differential Equations		
		Expansion by Differential Equations		
		SUNDAY - 28.11.2021		
		Problem Discussion		
	November	Test		
8	(29-30)	Asymptotes		
8	December (1-4)	Oblique Asymptotes and Questions based on it		
	(1-4)	Oblique Asymptotes and Questions based on it		
		SUNDAY - 5.12.2021		
		Oblique Asymptotes of Algebraic Curve		
		Oblique Asymptotes of Algebraic Curve		
9	December	Oblique Asymptotes of Algebraic Curve		
,	(6-11)	Intersection of Curve and its Asymptotes		
		Intersection of Curve and its Asymptotes		
		Intersection of Curve and its Asymptotes		
	SUNDAY - 12.12.2021			
		Polar Asymptotes		
		Polar Asymptotes		
10	December	Polar Asymptotes		
10	(13-18)	Polar Asymptotes		
		Problem Discussion		
		Test		
		SUNDAY - 19.12.2021		

		Curvature
		Articles related to Curvature
11	December (20-25)	Questions based on Curvature
	( /	Questions based on Curvature
		Questions based on Curvature
		Questions based on Curvature
		SUNDAY - 26.12.2021
		Radius of Curvature in Polar Form
	December	Radius of Curvature in Polar Form
	(27-31)	Curvature at Origin
12		Centre of Curvature and Evolute of a Curve
		Centre of Curvature and Evolute of a Curve
	January (1)	
	, , ,	Centre of Curvature and Evolute of a Curve
		SUNDAY -02.01.2022
		Curve Tracing
		Curve Tracing
13	January	Curve Tracing
	(3-8)	Curve Tracing Parametric Equations
		Curve Tracing Parametric Equations
		Tracing of Polar Curves
		SUNDAY - 09.01.2022
		Tracing of Polar Curves
		Problem Discussion
1.0	January	Test
14	(10-15)	Reduction Formulae
		Articles related to Reduction Formulae
		Articles related to Reduction Formulae
		SUNDAY - 16.01.2022
		Questions based on Reduction Formulae
		Questions based on Reduction Formulae
15	January	Questions based on Reduction Formulae
13	(17-22)	Questions based on Reduction Formulae
		Problem Discussion
		Test
		SUNDAY - 23.01.2022

	I	1			
		Rectification, Fundamental Theorem about Rectification			
		Rectification, Fundamental Theorem about Rectification			
16	January	Holiday - 26.01.2022 - Republic day			
	(24-29)	Rectification, Fundamental Theorem about Rectification			
		Rectification, Fundamental Theorem about Rectification			
		Problem Discussion			
		SUNDAY - 30.01.2022			
	January(31)	Test			
		Length of Parametric Curves			
17	February(1-4)	Length of Parametric Curves			
	reblualy(1-4)	Length of Parametric Curves			
		Length of Polar Curves			
	Holiday - 05.02.2022 - Vasant Panchami				
	SUNDAY - 6.02.2022				
		Length of Polar Curves			
		Length of Polar Curves			
18	February	Intrinsic Equation of a Curve			
	(7-12)	Quadrature			
		Quadrature			
		Questions based on Quadrature			
		SUNDAY - 13.02.2022			
		PROBLEM DISCUSSION			
		TEST			
	February	REVISION			
19	(14-19)	REVISION			
		REVISION			
		REVISION			
		SUNDAY - 20.02.2022			
	February (21-22)	REVISION			
20		TEST			
	1				

Teaching Term: (06.10.2021 to 22.02.2022) (Odd Semester)

Weekly Lesson Plan UG ( lst )

Name of the Paper:- Algebra Class: B.A. /B.SC. I

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

NEEK	DATE	TOPICS
		Orientation
	October	HOLIDAY - 07.10.2021 - Maharaja Agarsen Jayanti
1	(6 - 9)	Orientation
		Orientation
		SUNDAY - 10.10.2021
		HAWAN
		Matrices and Elementary Properties
2	October	Matrices and Elementary Properties
_	(11-16)	Matrices and Elementary Properties
		HOLIDAY - 15.10.2021 - DUSSEHRA
		Matrices and Elementary Properties
		SUNDAY - 17.10.2021
		Matrices and Elementary Properties
		Matrices and Elementary Properties
3	October	Holiday - 20.10.2021 - Maharishi Valmiki Jayanti
	(18-23)	Matrices and Elementary Properties
		Matrices and Elementary Properties
		Matrices and Elementary Properties
		SUNDAY - 24.10.2021
		Rank of a Matrix
		Row Echelon Form
4	October	Row Echelon Form
	(25 -30)	Row reduced echelon form
		Row reduced echelon form
		Theorems

		Normal Form		
		Normal Form		
5	November (8 -13 )	Theorems based on Normal form		
		Inverse of a Matrix		
		Inverse of a Matrix		
		Elementary matrices SUNDAY - 14.11.2021		
		30NDAT - 14.11.2021		
		Theorems based on Elementary matrices		
		Theorems based on Elementary matrices		
6	November (15, 20)	Examples based on Elementary matrices		
	(15 -20 )	Linearly independent and dependant vectors		
		Holiday -19.11.2021 - Guru Nanak Dev Jayanti		
		Linearly independent and dependant vectors		
		SUNDAY - 21.11.2021		
		Linearly independent and dependant vectors		
		Orthogonal Matrix		
7	November	Unitary Matrix		
′	(22-27)	Unitary Matrix		
		Characteristic roots of a matrix		
		Characteristic roots of a matrix		
	SUNDAY - 28.11.2021			
	November (29-30) December (1-4)	Characterstic Vectors of a Matrix		
		Characterstic Vectors of a Matrix		
		Theroems Based on characteristic roots of a matrix		
8		Theroems Based on characteristic roots of a matrix		
		Theroems Based on characteristic roots of a matrix		
		Cayley hamilton theorem		
		SUNDAY - 5.12.2021		
		questions based on cayley Hamilton Theorem		
		Minimal Polynomial of a matrix		
	Docombor			
9	December (6-11)	Minimal Polynomial of a matrix		
		Problem Discusson		
		Test		
		Application of matrices to solve system of equations  SUNDAY - 12.12.2021		
		JUNDAT - 12.12.2021		

		Application of matrices to solve system of equations
		Application of matrices to solve system of equations
10	December	Non-Homogeneous system of equations
	(13-18)	Non-Homogeneous system of equations
		Homogeneous system of equations
		Homogeneous system of equations
		SUNDAY - 19.12.2021
		Problem Discussion
		General properties of polynomial and equations
11	December (20-25)	General properties of polynomial and equations
11	(20-23)	Synthetic Division
		Numericals based on polynomials
		Holiday -25.12.2021 - Christmas
		SUNDAY - 26.12.2021
		Fundamental theorem of algebra
		Theorems based on Polynomials
	December (27-31)	
12		Theorems based on Polynomials
		Numericals based on polynomials
		Relation between Roots and The Coefficients of an equation
	January (1)	Numericals
		SUNDAY -02.01.2022
		Common roots and Repeated Roots
		Problem Discussion
13	January	Test
15	(3-8)	Transformation of equation
		Diminishing roots by a given number
		Equation with binomial coefficients
		SUNDAY - 09.01.2022
		Equation with binomial coefficients
		Problem Discussion
	January	Transform an equation whose roots are algebraic functions of the roots of the given equation
14	(10-15)	Transform an equation whose roots are algebraic functions of the roots of the given equation
		Transform an equation whose roots are algebraic functions of the roots of the given equation
		Roots of squared differences of a cubic
		SUNDAY - 16.01.2022

	I	1		
		Cardan's method to solve cubic equation		
		Cardan's method to solve cubic equation		
15	January	Numericals		
	(17-22)	Descartes solution of the biquadratic		
		Descartes solution of the biquadratic		
		Ferraris method		
		SUNDAY - 23.01.2022		
		Ferraris method		
		Numericals		
16	January	Holiday - 26.01.2022 - Republic day		
10	(24-29)	Problem discussion		
		Test		
		Descartes rule of sign		
		SUNDAY - 30.01.2022		
	January(31)	Descartes rule of sign		
		Descartes rule of sign		
17	February(1-4)	Problem Discussion		
	rebluary(1-4)	Test		
		Linear Transformation		
	Holiday - 05.02.2022 - Vasant Panchami			
		SUNDAY - 6.02.2022		
		Bilinear Form		
		Canonical Form of a Bilinear form		
18	February	Factorizable Bilinear form		
10	(7-12)	Numericals		
		Quadratic Form		
		Numericals		
		SUNDAY - 13.02.2022		
		Linear transformation of a Quadratic form		
		Examples		
19	February	Factorable Quadratic Form		
19	(14-19)	Numericals		
		Problem Discussion		
		Test		
		SUNDAY - 20.02.2022		
	February	Revision		
20	(21-22)	Revision		
	i .			

Teaching Term: (06.10.2021 to 22.02.2022) (Odd Semester)

Weekly Lesson Plan UG (Ist Semester)

Name of the Paper: English Class: B.sc 1st year (Medical)

Name of the Teachers (Section wise): Ms kajal

WEEK	DATE	TOPICS
1	October	HOLIDAY - 07.10.2021 - Maharaja Agarsen Jayanti
_	(6 - 9)	introduction about syllabus
		introduction about. paper pattern
		SUNDAY - 10.10.2021
2	October (11-16)	
	(11-10)	
		HOLIDAY - 15.10.2021 - DUSSEHRA
		sonnet 'let me not to the marriage of true mind ' explanation and critical
		SUNDAY - 17.10.2021
3	October	Holiday - 20.10.2021 - Maharishi Valmiki Jayanti
3	(18-23)	
		question answer discussion
		test
		SUNDAY - 24.10.2021
_	October	
4	(25 -30)	
		explanation of the poem ' the retreat
		question answer discussion
	VACATIO	ONS: 31.10.2021 to 07.11.2021 - DIWALI BREAK

	Navanahan	
5	November (8 -13 )	
		explanation crossing the bar poem critical of the poem
		SUNDAY - 14.11.2021
	November	
6	(15 -20 )	
		Holiday -19.11.2021 - Guru Nanak Dev Jayanti
		discussion about common errors in English
		SUNDAY - 21.11.2021
7	November	
,	(22-27)	
		assignment
		conditional
		SUNDAY - 28.11.2021
	November	
8	(29-30)	
	December (1-4)	
		sonnet know then Thyself
		critical analysis of the poem
		SUNDAY - 5.12.2021
9	December	
	(6-11)	
		explanation ' crossing the bar poem
		paragraph writing
		SUNDAY - 12.12.2021

10				
	December (13-18)			
	(13-18)			
		test of paragraph writing		
		test of sonnet ' let me not to the marriage of true minds '		
		SUNDAY - 19.12.2021		
	December			
11	(20-25)			
	(			
		revision		
		Holiday -25.12.2021 - Christmas		
		SUNDAY - 26.12.2021		
		30HDA1 - 20.12.2021		
	December			
	(27-31)			
12				
		The second secon		
		explanation of the poem Three years she grew in a sun and shower		
	January (1)	critical analysis		
		SUNDAY -02.01.2022		
	January (3-8)			
13				
		England in 1819 poem		
		critical analysis		
	<u> </u>	SUNDAY - 09.01.2022		
14	January			
	(10-15)			
		explanation of the sonnet the little black boy		
		critical analysis the sonnet the little black boy		
	I	SUNDAY - 16.01.2022		
	January (17-22)			
15				
		test		
		test		
		SUNDAY - 23.01.2022		
	3UNDAY - 23.U1.2U22			

16	January	Holiday - 26.01.2022 - Republic day
	(24-29)	
		paragraph writing
		errors editing
		SUNDAY - 30.01.2022
	January(31)	
17	February(1-4)	
	rebruary(1-4)	
		translation test
		Holiday - 05.02.2022 - Vasant Panchami
		SUNDAY - 6.02.2022
	February (7-12)	
18		
		explanation death be not proud sonnet
		critical analysis
		SUNDAY - 13.02.2022
	February	
19	(14-19)	
		revision
		revision
		SUNDAY - 20.02.2022
	February	revision
20	(21-22)	revision
	l	

Teaching Term: (6.10.2021 to 22.02.2022) (Odd Semester)

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

Name of the Paper:- PC (4-6) Days Class: BSC - I

Name of the Teachers (Section wise): Prof. Neetu Manocha

WEEK	DATE	TOPICS
	October	HOLIDAY - 07.10.2021 - Maharaja Agarsen Jayanti
1	(6 - 9)	ORIENTATION PROGRAMME & LIBRARY VISIT
		ORIENTATION PROGRAMME & LIBRARY VISIT
		SUNDAY - 10.10.2021
2	October	
_	(11-16)	Basics of Windows, Windows History
		HOLIDAY - 15.10.2021 - DUSSEHRA
		CONTD
		SUNDAY - 17.10.2021
3	October	Holiday - 20.10.2021 - Maharishi Valmiki Jayanti
	(18-23)	Basics components of Windows, icons & type of icons
		CONTD
		CONTD
	<u> </u>	SUNDAY 24.10.2021
1		
	October (25 -30)	
	(25 -30)	Taskbar, Activating Windows
		CONTD
	\/ACATIC	NIS. 21 10 2021 to 07 11 2021 DUMALI PREAK
	VACATIC	ONS: 31.10.2021 to 07.11.2021 - DIWALI BREAK

2	November	
	(8 -13 )	Revision
		Desktop,Title Bar,Running Applications
		Windows Explorer,Managing Files & Folder
		SUNDAY - 14.11.2021
3	November	
	(15 -20 )	Windows Explorer, Managing Files & Folder
		Holiday -19.11.2021 - Guru Nanak Dev Jayanti
		Configuring System Devices
		SUNDAY - 21.11.2021
4	November (22-27)	
		Control Panel ,Windows Accessories
		Revision
		Query Solve
		SUNDAY - 28.11.2021
	November	
5	(29-30)	
	December (1-4)	Inroduction to Office Automation
	,,	Creating And Editing Documents, Formatting Documents
		Revision
		SUNDAY - 5.12.2021

	December	
6		
	(6-11)	Auto Text ,Autocorrect,Spelling & Grammer Tools
		Document Dictionary,Page Formatting
		Revision
		SUNDAY - 12.12.2021
	December	
7	(13-18)	Bookmark, Advance Features of MS-Word
		Mail Merge
		Revision
		SUNDAY - 19.12.2021
	December	
8	(20-25)	Macro,Tables
		Assignment I
		Holiday -25.12.2021 - Christmas
		SUNDAY - 26.12.2021
	December (27-31) January (1)	
9		Linking & Embedding Objects
		File Management
		Printing, Styles
		SUNDAY -02.01.2022
	January	
10	(3-8)	Introduction to MS-Excel, Creating & Editing Worksheet
		Formatting & Essential Operations
		Formulas, Function
		Holiday - 9.1.2022 - Guru Gobind Singh Jayanti
		, 0,.

	T	
	January	
11	(10-15)	
		Charts
		Pivot Table & Pivot Chart
		Conditional Task
		Conditional Test
		SUNDAY - 16.01.2022
	January	
12	(17-22)	
	(== ==)	Linking & Consolidation
		Database Management using Excel-Sorting,
		Filtering
		SUNDAY - 23.01.2022
		Holiday - 26.01.2022 - Republic day
		Tronday - 20.01.2022 - Republic day
13	January(24-29)	Table, Validation
		Goal Seek,Scenario
		Inroduction of Power Point
		SUNDAY - 30.01.2022
	. (04)	
14	January(31)	Class Test
	February(1-5)	Animation And Sound, Inserting Animated Pictures or Accessing through Objects
		Revision
		Holiday - 5.02.2022 - Vasant Panchami
		SUNDAY - 6.02.2022
15	February (7-12)	
		Inserting Recorded Sound Effects or in Built Sound Effects
		Creating & Manipulating & Enhancing Slides
		Organisational Charts
		SUNDAY - 13.02.2022
16	February (14-19)	Word Art, Layering at Objects
		Assignment II
		Excel Charts
		SUNDAY - 20.02.2022
17	Fobruary (21, 22)	Query Solve
17	February (21-22)	Query Solve
_		•

Teaching Term: (25.10.2021 to 22.02.2022) (Odd Semester)
Weekly Lesson Plan UG (Ist / IIIrd / Vth Semester)
Name of the Paper:- COMPUTER FUNDAMENTAL (1-3 days)
Class: BSC - I

Name of the Teachers: PROF. NEETU MANOCHA

WEEK	DATE	TOPICS
VVLLN	DAIL	TOPICS
	October	HOLIDAY - 07.10.2021 - Maharaja Agarsen Jayanti
1	(6 - 9)	ORIENTATION PROGRAMME & LIBRARY VISIT
		ORIENTATION PROGRAMME & LIBRARY VISIT
		SUNDAY - 10.10.2021
		HAWAN & INAUGURATION SESSION
		TIME-TABLE DISPLAY & DISCUSSION
2	October	Discussion of Syllabus
-	(11-16)	
		HOLIDAY - 15.10.2021 - DUSSEHRA
		SUNDAY - 17.10.2021
	October (18-23)	Definition & Functional components of computer
		CONTD
3		Holiday - 20.10.2021 - Maharishi Valmiki Jayanti
3		
		SUNDAY 24.10.2021
		Characteristics & Limitation of computer
		CONTD
4	October (25 -30)	Classification of Computer
•		
	VACATIO	NS: 31.10.2021 to 07.11.2021 - DIWALI BREAK

		Classification of Computer
		Classification of Computer
	November	Applications of Computer
5	(8 -13 )	
		SUNDAY - 14.11.2021
		INJemory: Concept or primary & secondary memory
		,,
		RAM, ROM, types of ROM,
_	November	Cache memory, CPU Registers
6	(15 -20 )	
		Holiday -19.11.2021 - Guru Nanak Dev Jayanti
		Honday 151112021 Cara Nanak Dev Sayanti
		SUNDAY 24 44 2024
		SUNDAY - 21.11.2021
		flash memory, Secondary storage devices: magnetic tape magnetic disk, CD, DVD.
	November	Magnetic disk, CD, DVD. naroware and software
_		nardware and software
7	(22-27)	
		CUNDAY 20 11 2021
		SUNDAY - 28.11.2021
		I/O Devices
	November	I/O Devices
	(29-30)	I/O Devices
8	December	
	(1-4)	
		CUNDAY 5 42 2024
		SUNDAY - 5.12.2021

		Assignment I
		Motherboard, Ports.
9	December	Overview of operating system: Definition, functions of operating system
	(6-11)	
		SUNDAY - 12.12.2021
		Concept of Multiprogramming, Multitasking
		Concept of Multithreading, Multiprocessing
10	December	Concept of Time-sharing, Real time,
10	(13-18)	
		SUNDAY - 19.12.2021
		Single-user & Multi-user Operating System, examples of various Operating Systems.
		Problem Discussion
44	December	Conditional test
11	(20-25)	
		Holiday -25.12.2021 - Christmas
		SUNDAY - 26.12.2021
		Planning the Computer Program: Concept of problem solving, Problem definition,
	December (27-31) January (1)	Program design, Debugging, Types of errors in programming
12		Documentation., Techniques of Problem Solving: Flowcharting
12		
	(1)	
		SUNDAY -02.01.2022
		Algorithms, Pseudo Code,
		Decision table, Structured programming concepts
13	January	Programming methodologies: Top-down and Bottomup programming
13	(3-8)	
		Holiday - 9.1.2022 - Guru Gobind Singh Jayanti

	Т	
		Assignment II
		Searching: Linear Binary Search
	January	Sorting : Selection sort
14	(10-15)	Softing . Selection soft
		SUNDAY - 16.01.2022
		Bubble Sort
		Insertion Sort
	lam.com/	
15	January (17-22)	Query Solve
	(=/ ==/	
		SUNDAY - 23.01.2022
		Merging
		Revision
		Holiday - 26.01.2022 - Republic day
16	January(24-29)	
	Junuary(24 25)	
		SUNDAY - 30.01.2022
		Computer Languages: Analogy with natural language, machine language
		Query Solve
17	January(31)	Revision
	February(1-5)	
		Holiday - 5.02.2022 - Vasant Panchami
		SUNDAY - 6.02.2022
		Assembly language, High-level language
		Language Translators, Characteristics of a good programming language.  Revision
18	February (7-12)	REVISION
		SUNDAY - 13.02.2022
		Revision Revision
19	February (14-19)	Revision
19		
		SUNDAY - 20.02.2022
20	February (21-22)	Query Solve
20	Febluary (21-22)	Query Solve

Teaching Term: (06.10.2021 to 22.02.2022) (Odd Semester)
Weekly Lesson Plan UG (1st / Illrd / Vth Semester) PG (Illrd Semester)

Name of the Paper:- Physical Chemistry Class: B.Sc (1 year) A

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

	(	Section wise): Dr. Vikram Kumar
WEEK	DATE	TOPICS
1	October (6 - 9)	Kinetic Molecular Theory of Gases , Maxwell's distribution of velocities and energies (derivation excluded)
		SUNDAY - 10.10.2021
2	October (11-16)	Calculation of root mean square velocity, average velocity and most probable velocity. Collision diameter, collision number, collision frequency
		SUNDAY - 17.10.2021
3	October (18-23)	Mean free path (Derivations excluded), Deviation of Real gases from ideal behavior
		SUNDAY - 24.10.2021
4	October (25 -30)	Derivation of Van der Waal's Equation of State, its application in the calculation of Boyle's temperature (compression factor)
	VACATION	NS: 31.10.2021 to 07.11.2021 - DIWALI BREAK

5	November (8 -13 )	Critical tempera ture, critical pressure, critical volume and their determination.
-		SUNDAY - 14.11.2021
6	November (15 -20 )	PV isotherms of real gases, continuity of states, the isotherms of Van der Waal's equation
		SUNDAY - 21.11.2021
7	November (22-27)	Relationship between critical constants and Van der Waal's constants.
		SUNDAY - 28.11.2021
8	November (29-30) December (1-4)	Critical compressibility factor. The Law of corresponding states.
		SUNDAY - 5.12.2021

9	December (6-11)	Classification of solids, Law of constancy of interfacial angles
		SUNDAY - 12.12.2021
10	December (13-18)	Law of rational indices,Miller indices
		SUNDAY - 19.12.2021
11	December (20-25)	Elementary ideas of symmetry and symmetry elements
		SUNDAY - 26.12.2021
12	December (27-31) January (1)	Seven crystal systems and fourteen Bravais lattices; X-ray diffraction,
		SUNDAY -02.01.2022
13	January (3-8)	Bragg's law, a simple account of Laue method
		SUNDAY - 09.01.2022

14	January (10-15)	Rotating crystal method
		SUNDAY - 16.01.2022
15	January (17-22)	Powder pattern method.
		SUNDAY - 23.01.2022
16	January (24-29)	Structure of liquids, Properties of liquids – surface tension Refractive index,
		SUNDAY - 30.01.2022
	January(31)	
17	February(1-4)	viscosity,Vapour pressure
		Holiday - 05.02.2022 - Vasant Panchami
		SUNDAY - 6.02.2022
18	February (7-12)	Optical rotation
		SUNDAY - 13.02.2022

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

Class: B.Sc I (A)

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

Name of the Paper:- Inorganic Chemistry

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

Name of the Teachers (Section wise): Prof. Era Garg		
WEEK	DATE	TOPICS
1	October (6 - 9)	Idea of de Broglie matter waves,Heinsenberg's uncertainty principle
		SUNDAY - 10.10.2021
2	October (11-16)	Atomic orbitals,Quantum numbers
		SUNDAY - 17.10.2021
3	October (18-23)	Radial and angular wave functions, Normal and orthogonal wave functions, Significance of Ψ and Ψ2
SUNDAY - 24.10.2021		
4	October (25 -30)	Probability distribution curves, shapes of s, p, d, f orbitals, Aufbau and Pauli exclusion principles, Hund's multiplicity rules
VACATIONS: 31.10.2021 to 07.11.2021 - DIWALI BREAK		

5	November (8 -13 )	Electronic configuration of elements,Effective nuclear charge, Slater's rules	
		SUNDAY - 14.11.2021	
6	November (15 -20 )	Classification of periodic table into s, p, d, f blocks, atomic and ionic radii, ionisation energy, electron affinity	
		SUNDAY - 21.11.2021	
7	November (22-27)	Electronegativity definition, methods of determination or evaluation, trend in periodic table (in s and p-block elements)	
		SUNDAY - 28.11.2021	
8	November (29-30) December (1-4)	Pauling , Mulliken, Allred Rachow and Mulliken Jaffe's electronegativity scale,Sanderson's electron density ratio	
	SUNDAY - 5.12.2021		

9	December (6-11)	Valence bond theory (Heitler-London and Pauling approach) and its limitation, directional characteristics of covalent bond	
		SUNDAY - 12.12.2021	
10	December (13-18)	Various type of hybridisation and shapes of simple inorganic molecules and ions (BeF2, BF3, CH4, PF5, SF6, IF7, SO4-2, CIO4-1, NO3-1	
		SUNDAY - 19.12.2021	
11	December (20-25)	Valence shell electron pair repulsion (VSEPR) theory to NH3, H3O+, SF4, CIF3, H2O, SnCl2, ClO3-1 and ICl2-1.	
SUNDAY - 26.12.2021			
12	December (27-31) January (1)	Molecular orbital theory of homonuclear (N2, O2) heteronuclear (CO and NO) diatomic molecules and ions	
		SUNDAY -02.01.2022	
13	January (3-8)	Bond energy, bond angle, bond length and dipole moments	
SUNDAY - 09.01.2022			

14	January (10-15)	Percentage ionic character from dipole moment and electronegativity difference.	
		SUNDAY - 16.01.2022	
15	January (17-22)	Ionic structures (NaCl, CsCl, ZnS (Zinc blende), CaF2) size effects	
		SUNDAY - 23.01.2022	
16	January (24-29)	Radius ratio rule and its limitations, Madelung constant, Stoichiometric and Non stoichiometric defects in crystals	
SUNDAY - 30.01.2022			
	January(31)		
17	February(1-4)	Lattice energy (mathematical derivation excluded)	
		Holiday - 05.02.2022 - Vasant Panchami	
		SUNDAY - 6.02.2022	
18	February (7-12)	Born- Haber cycle, Solvation energy and its relation with solubility of Ionic solids,	
		SUNDAY - 13.02.2022	

19	February (14-19)	Polarizing power and Polarisability of ions, Fajan's rule.
		SUNDAY - 20.02.2022
20	February (21-22)	REVISION,CLASS TEST

Teaching Term: (06.10.2021 to 22.02.2022) (Odd Semester)

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

Name of the Paper:- Organic Chemistry Class: B.Sc I (A)

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

WEEK	DATE	TOPICS
1	October (6 - 9)	Localized and delocalized chemical bond
	l	SUNDAY - 10.10.2021
2	October (11-16)	Vander Waal's interactions, resonance: conditions, resonance effect and Its applications, hyperconjugation
		SUNDAY - 17.10.2021
3	October (18-23)	Inductive effect, Electromeric effect & their comparison Concept of isomerism.
		SUNDAY - 24.10.2021
4	October (25 -30)	Types of isomerism. Optical isomerism, elements of symmetry, molecular chirality, enantiomers, stereogenic centre
	VACATION	NS: 31.10.2021 to 07.11.2021 - DIWALI BREAK

5	November (8 -13 )	Optical activity, properties of enantiomers, chiral and achiral molecules with two stereogenic centres, diastereomers		
		SUNDAY - 14.11.2021		
6	November (15 -20 )	Threo and erythro diastereomers, meso compounds, resolution of enantiome rs, invers ion, retention and racemization.		
		SUNDAY - 21.11.2021		
7	November (22-27)	Relative and absolute configuration, sequence rules, R & S systems of nomenclature.  Geometr ic isomerism, determination of configuration of geometric isomers.		
		SUNDAY - 28.11.2021		
8	November (29-30) December (1-4)	E & Z system of nomenclature, Conformational isomerism,conformational analysis of ethane and n-butane, conformations of cyclohexane		
	SUNDAY - 5.12.2021			

9	December (6-11)	Axial and equatorial bonds. Newman projection and Sawhorse formulae, Difference between configura tion and conformation	
		SUNDAY - 12.12.2021	
10	December (13-18)	Curved arrow notation, drawing electron movements with arrows, half-headed and double-headed arrows, homolytic and heterolytic bond breaking	
		SUNDAY - 19.12.2021	
11	December (20-25)	Types of reagents – electrophiles and nucleophiles. Types of organic reactions.	
SUNDAY - 26.12.2021			
12	December (27-31)	Reactive intermediates ,carbocations, carbanions, free radicals, carbenes,(formation, structure & stability).	
	January (1)		
SUNDAY -02.01.2022			
13	January (3-8)	IUPAC nomenclature of branched and unbranched alkanes, classification of carbon atoms in alkanes	
SUNDAY - 09.01.2022			

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14	January (10-15)	Isomerism in alkanes, sources, methods of formation: Wurtz reaction, Kolbe reaction			
		SUNDAY - 16.01.2022			
15	January (17-22)	Corey-House reaction and de carboxylation of carboxylic acids, physical properties.			
		SUNDAY - 23.01.2022			
16	January (24-29)	Mechanism of free radical halogenation of alkanes: reactivity and selectivity. Cycloalkanes nomenclature,			
	SUNDAY - 30.01.2022				
	January(31)				
17	February(1-4)	synthesis of cycloalkanes and their derivatives – photochemical (2+2) cycloaddition reactions			
		Holiday - 05.02.2022 - Vasant Panchami			
		SUNDAY - 6.02.2022			
18	February (7-12)	dehalogenation of dihalides, , pyrolysis of calcium or barium salts of dicarboxylic acids			
		SUNDAY - 13.02.2022			

19	February (14-19)	Baeyer's strain theory and its limitations., theory of strainless rings.
		SUNDAY - 20.02.2022
20	February (21-22)	REVISION,CLASS TEST

Teaching Term: (06.10.2021 to 22.02.2022) (Odd Semester)

Weekly Lesson Plan UG (Ist Semester)

ame of the Paper:- Name of paper:cell biology Class: B.Sc. 1st year

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

WEEK	DATE	TOPICS
		HOUDAY 07 40 2024 Mahayaia Agayaan layaati
1	October (6 - 9)	HOLIDAY - 07.10.2021 - Maharaja Agarsen Jayanti
	(0 5)	Cell Envelope:- Cell Wall
		Cell wall
		SUNDAY - 10.10.2021
2	October	
	(11-16)	Cell Envelope:- Cell Wall
		HOLIDAY - 15.10.2021 - DUSSEHRA
		Cell wall
		SUNDAY - 17.10.2021
3	October	Holiday - 20.10.2021 - Maharishi Valmiki Jayanti
	(18-23)	cell wall
		Plasma membrane
		Plasma membrane
		SUNDAY - 24.10.2021
4	October	
	(25 -30)	Plasma membrane
		Plasma membrane
		Plasma membrane
		SUNDAY - 31.10.2021 to 07.11.2021 (Diwali Break)

_	November				
5	(8 -13 )	Cell Organelle:- Nucleus			
		Nucleus			
		Nucleus			
		SUNDAY - 14.11.2021			
	November				
6	(15 -20 )	Golgi Apparatus			
		Holiday -19.11.2021 - Guru Nanak Dev Jayanti			
		Golgi Apparatus  SUNDAY - 21.11.2021			
		00/10/// 12/22/2022			
7	November (22-27)				
	(22-27)	Endoplasmic Reticulum			
		Endoplasmic Reticulum			
		Assignment			
SUNDAY - 28.11.2021					
	November (29-30) December (1-4)				
8		Chloroplast			
		Chloroplast			
	Chloroplast SUNDAY - 5.12.2021				
9	December (6-11)				
		Mitochondria			
		Mitochondria			
		Mitochondria			
		SUNDAY - 12.12.2021			

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10	December	
	(13-18)	Lysosome, Peroxisomes and Vacuole
		Lysosome, Peroxisomes and Vacuole
		Cell Division:- Mitosis
		SUNDAY - 19.12.2021
	December	
11	(20-25)	
		Cell Division:- Meiosis
		Meiosis
		Holiday -25.12.2021 - Christmas
		SUNDAY - 26.12.2021
	December	
12	(27-31)	
12	January	Meiosis
	(1)	Chromosome Organization
		Chromosome Organization
		SUNDAY -02.01.2022
	January (3-8)	
13		
		Chromosome Organization
		Chromosome Organization
		Sex Determination
	Ī	SUNDAY - 09.01.2022
	January (10-15)	
14		
		Sex Determination
		Chromosome:- Structural Alterations
		Chromosome:- Structural Alterations
		SUNDAY - 16.01.2022
	lanuary	
15	January (17-22)	Chromosome:- Structural Alterations
		Chromosome:- Structural Alterations
		Chromosome:- Structural Alterations  SUNDAY - 23.01.2022
		30NDAT - 23.01.2022

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16	January	Holiday - 26.01.2022 - Republic day
10	(24-29)	Chromosome:- Numerical Alterations
		Chromosome:- Numerical Alterations
		Chromosome:- Numerical Alterations
		SUNDAY -30.01.2022
	January(31)	
17	February(1-4)	
	rebruary(1-4)	Chromosome :Numerical Alterations
		Karyotype
		Holiday - 05.02.2022 - Vasant Panchami
		SUNDAY - 6.02.2022
	February (7-12)	
18		Revision
		Revision
		Revision
		SUNDAY - 13.02.2022
	February	
19	(14-19)	Revision Test - I
		Revision Test - II
		Assignment
		SUNDAY - 20.02.2022
	P.L	33/13/11 23/32/22
20	February (21-22)	
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Teaching Term: (06.10.2021 to 22.02.2022) (Odd Semester)

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

Name of the Paper:- DIVERSITY OF MICROBES Paper: I Class: B.SC -1st(1st SEM)

Ms Rajni

	T	Ms Rajni
WEEK	DATE	TOPICS
		Introduction to algae
1	October	HOLIDAY - 07.10.2021 - Maharaja Agarsen Jayanti
-	(6 - 9)	
		SUNDAY - 10.10.2021
		Introduction to algae
		Introduction to algae
2	October	Economic importance of algae
_	(11-16)	
		HOLIDAY - 15.10.2021 - DUSSEHRA
		SUNDAY - 17.10.2021
		Classification of Algae
	October (18-23)	Classification of Algae
3		Holiday - 20.10.2021 - Maharishi Valmiki Jayanti
•		
		SUNDAY - 24.10.2021
		Volvox structure and Reproduction
	October	Volvox structure and Reproduction
4		Oedogonium structure and Reproduction
-	(25 -30)	
	VACATIO	ONS: 31.10.2021 to 07.11.2021 - DIWALI BREAK

		Oedogonium structure and Reproduction
		Oedogonium structure and Reproduction
5	November	Vaucheria structure and Reproduction
	(8 -13 )	
		SUNDAY - 14.11.2021
		Vaucheria structure and Reproduction
		Ectocarpus structure and Reproduction
6	November	Ectocarpus structure and Reproduction
	(15 -20 )	
		Holiday -19.11.2021 - Guru Nanak Dev Jayanti
		SUNDAY - 21.11.2021
		Ectocarpus structure and Reproduction
		Polysiphonia structure and Reproduction
7	November	Polysiphonia structure and Reproduction
,	(22-27)	
		SUNDAY - 28.11.2021
		Polysiphonia structure and Reproduction
	November	Bacteria structure and Reproduction
	(29-30)	Bacteria structure and Reproduction
8	December	
	(1-4)	
		SUNDAY - 5.12.2021

December (20-25)  December (27-31)  December (30-25)  December (27-31)  December (27-31)  December (30-25)  December (27-31)  December (27			Cyanobacteria structure and Reproduction
SUNDAY - 12.12.2021  Introduction to virus  Introduction to virus  Introduction to virus  Introduction to virus  Class test, assignment  SUNDAY - 19.12.2021  Introduction to fungi  Holiday -25.12.2021 - Christmas  SUNDAY - 26.12.2021  Phophthora structure and Reproduction  Phophthora structure and Reproduction  Mucor structure and Reproduction  Mucor structure and Reproduction  SUNDAY -02.01.2022  Mucor structure and Reproduction			
SUNDAY - 12.12.2021  Introduction to virus Introduction to virus Class test, assignment  SUNDAY - 19.12.2021  Introduction to fungi Holiday -25.12.2021 - Christmas SUNDAY - 26.12.2021  Phtophthora structure and Reproduction Phtophthora structure and Reproduction Mucor structure and Reproduction  SUNDAY - 02.01.2022  Mucor structure and Reproduction		December	
Introduction to virus Introduction to virus  Class test, assignment  SUNDAY - 19.12.2021  Introduction to fungi Phoduction to fungi, Classification of fungi  Holiday -25.12.2021 - Christmas  SUNDAY - 26.12.2021  Phophthora structure and Reproduction Phophthora structure and Reproduction Mucor structure and Reproduction  Mucor structure and Reproduction  SUNDAY -02.01.2022  Mucor structure and Reproduction	9		introduction to virus
Introduction to virus Introduction to virus  Class test, assignment  SUNDAY - 19.12.2021  Introduction to fungi Introduction to fungi, Classification of fungi Holiday -25.12.2021 - Christmas  SUNDAY - 26.12.2021  Phophthora structure and Reproduction Phophthora structure and Reproduction Mucor structure and Reproduction  Mucor structure and Reproduction  SUNDAY -02.01.2022  Mucor structure and Reproduction			
Introduction to virus Introduction to virus  Class test, assignment  SUNDAY - 19.12.2021  Introduction to fungi Phoduction to fungi, Classification of fungi  Holiday -25.12.2021 - Christmas  SUNDAY - 26.12.2021  Phophthora structure and Reproduction Phophthora structure and Reproduction Mucor structure and Reproduction  Mucor structure and Reproduction  SUNDAY -02.01.2022  Mucor structure and Reproduction			
December (13-18)    SUNDAY - 19.12.2021			SUNDAY - 12.12.2021
Class test, assignment  SUNDAY - 19.12.2021  Introduction to fungi  Holiday -25.12.2021 - Christmas  SUNDAY - 26.12.2021  Phtophthora structure and Reproduction Phtophthora structure and Reproduction Mucor structure and Reproduction  SUNDAY - 02.01.2022  Mucor structure and Reproduction			Introduction to virus
SUNDAY - 19.12.2021  Introduction to fungi Introduction to fungi Introduction to fungi Introduction to fungi Introduction to fungi, Classification of fungi  Holiday -25.12.2021 - Christmas  SUNDAY - 26.12.2021  Phtophthora structure and Reproduction Phtophthora structure and Reproduction  Mucor structure and Reproduction  SUNDAY - 02.01.2022  Mucor structure and Reproduction			Introduction to virus
SUNDAY - 19.12.2021  Introduction to fungi Introduction of fungi  Holiday -25.12.2021 - Christmas  SUNDAY - 26.12.2021  Phtophthora structure and Reproduction Phtophthora structure and Reproduction Mucor structure and Reproduction  SUNDAY -02.01.2022  Mucor structure and Reproduction	10	December	Class test, assignment
Introduction to fungi Introduction to fungi Introduction to fungi Introduction to fungi, Classification of fungi  Holiday -25.12.2021 - Christmas  SUNDAY - 26.12.2021  Phtophthora structure and Reproduction Phtophthora structure and Reproduction Mucor structure and Reproduction  SUNDAY - 02.01.2022  Mucor structure and Reproduction	10	(13-18)	
Introduction to fungi Introduction to fungi Introduction to fungi Introduction to fungi, Classification of fungi  Holiday -25.12.2021 - Christmas  SUNDAY - 26.12.2021  Phtophthora structure and Reproduction Phtophthora structure and Reproduction Mucor structure and Reproduction  SUNDAY - 02.01.2022  Mucor structure and Reproduction			
Introduction to fungi Introduction to fungi Introduction to fungi Introduction to fungi, Classification of fungi  Holiday -25.12.2021 - Christmas  SUNDAY - 26.12.2021  Phtophthora structure and Reproduction Phtophthora structure and Reproduction Mucor structure and Reproduction  SUNDAY - 02.01.2022  Mucor structure and Reproduction			
Introduction to fungi  Introduction to fungi, Classification of fungi  Holiday -25.12.2021 - Christmas  SUNDAY - 26.12.2021  Phtophthora structure and Reproduction  Phtophthora structure and Reproduction  Mucor structure and Reproduction  SUNDAY - 20.01.2022  Mucor structure and Reproduction			SUNDAY - 19.12.2021
Introduction to fungi, Classification of fungi  Holiday -25.12.2021 - Christmas  SUNDAY - 26.12.2021  Phtophthora structure and Reproduction  Phtophthora structure and Reproduction  Mucor structure and Reproduction  SUNDAY - 02.01.2022  Mucor structure and Reproduction			Introduction to fungi
Introduction to fungi, Classification of fungi  Holiday -25.12.2021 - Christmas  SUNDAY - 26.12.2021  Phtophthora structure and Reproduction  Phtophthora structure and Reproduction  Mucor structure and Reproduction  SUNDAY -02.01.2022  Mucor structure and Reproduction			Introduction to fungi
Holiday -25.12.2021 - Christmas  SUNDAY - 26.12.2021  Phtophthora structure and Reproduction  Phtophthora structure and Reproduction  Mucor structure and Reproduction  January (1)  SUNDAY -02.01.2022  Mucor structure and Reproduction	11		Introduction to fungi, Classification of fungi
SUNDAY - 26.12.2021  Phtophthora structure and Reproduction  Phtophthora structure and Reproduction  Mucor structure and Reproduction  January (1)  SUNDAY -02.01.2022  Mucor structure and Reproduction			
SUNDAY - 26.12.2021  Phtophthora structure and Reproduction  Phtophthora structure and Reproduction  Mucor structure and Reproduction  January (1)  SUNDAY -02.01.2022  Mucor structure and Reproduction			
December (27-31)    December (27-31)   Phtophthora structure and Reproduction   Mucor structure and Reproduction			Holiday -25.12.2021 - Christmas
December (27-31)    Mucor structure and Reproduction			SUNDAY - 26.12.2021
January (1)  SUNDAY -02.01.2022  Mucor structure and Reproduction			Phtophthora structure and Reproduction
January (1)  SUNDAY -02.01.2022  Mucor structure and Reproduction			Phtophthora structure and Reproduction
January (1)  SUNDAY -02.01.2022  Mucor structure and Reproduction	12		Mucor structure and Reproduction
SUNDAY -02.01.2022  Mucor structure and Reproduction	12		
SUNDAY -02.01.2022  Mucor structure and Reproduction			
Mucor structure and Reproduction		January (1)	
			SUNDAY -02.01.2022
Mucor structure and Reproduction			Mucor structure and Reproduction
			Mucor structure and Reproduction
January Class test	12	January (3-8)	Class test
(3-8)	13		
SUNDAY - 09.01.2022			SUNDAY - 09.01.2022

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		Penicillium structure ans Reproduction
		Penicillium structure ans Reproduction
14	January (10-15)	Penicillium structure ans Reproduction
		SUNDAY - 16.01.2022
		Colletotrichum structure and reproduction
		Colletotrichum structure and reproduction
15	January (17-22)	Agaricus structure and Reproduction
	(17-22)	
		SUNDAY - 23.01.2022
		Agaricus structure and Reproduction
		Agaricus structure and Reproduction
16	January	Holiday - 26.01.2022 - Republic day
10	(24-29)	
		SUNDAY - 30.01.2022
	January(31)	Agaricus structure and Reproduction
-	January(31)	Puccinia structure and Reproduction
17		Puccinia structure and Reproduction
	February(1-4)	
		Holiday - 05.02.2022 - Vasant Panchami
		SUNDAY - 6.02.2022
	February (7-12)	Puccinia structure and Reproduction
		Puccinia structure and Reproduction
18		Puccinia structure and Reproduction
	(1-12)	
		SUNDAY - 13.02.2022

		Lichens Structure And Reproduction
		Lichens Structure And Reproduction
19	February	Lichens Structure And Reproduction
19	(14-19)	
		SUNDAY - 20.02.2022
20	February	REVISION
20	(21-22)	REVISION

Teaching Term: (06.10.2021 to 22.02.2022)

(Odd Semester)

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

Name of the Paper: Introduction to Biotechnology Paper: Class: BSc.Ist Sem

Name of the Teachers (Section wise): Anjushree Saraswal

WEEK	DATE	TOPICS
4	October	HOLIDAY - 07.10.2021 - Maharaja Agarsen Jayanti
1	(6 - 9)	ORIENTATION PROGRAMME & LIBRARY VISIT (SCIENCE)
	•	SUNDAY - 10.10.2021
		Definition and scope of Biotechnology
		Definition and scope of Biotechnology
2	October (11-16)	Definition and scope of Biotechnology
		HOLIDAY - 15.10.2021 - DUSSEHRA
		SUNDAY - 17.10.2021
		Definition and scope of Biotechnology
	October (18-23)	Introduction of Genetic Engineering
3		Holiday - 20.10.2021 - Maharishi Valmiki Jayanti
		SUNDAY - 24.10.2021
	I	Plant tissue Culture
	October (25 -30)	Plant tissue Culture
4		Plant tissue Culture
	\/ACATIC	 DNS: 31.10.2021 to 07.11.2021 - DIWALI BREAK

		-
		Animal tissue Culture
		Animal tissue Culture
5	November	Animal tissue Culture
5	(8 -13 )	
		SUNDAY - 14.11.2021
		Fermentation Technology
		Fermentation Technology
6	November	Immobilized enzymes
0	(15 -20 )	
		Holiday -19.11.2021 - Guru Nanak Dev Jayanti
		SUNDAY - 21.11.2021
		Immobilized enzymes
		Monoclonal antibodies
7	November	Embryo transfer technology
,	(22-27)	
		SUNDAY - 28.11.2021
		Introduction to gene& genomes
	November	Introduction to gene& genomes
8	November (29-30)	Proteins and proteome
0	December (1-4)	
	(±- <del>-4</del> )	
		SUNDAY - 5.12.2021

9	December (6-11)	Proteins and proteome Proteins and proteome Genetic manipulations
		SUNDAY - 12.12.2021
10	December (13-18)	Genetic manipulations Genetic manipulations Genetic manipulations
		SUNDAY - 19.12.2021
11	December (20-25)	DNA Fingerprinting and Forensic Analysis Assignments Application of biotechnology
		Holiday -25.12.2021 - Christmas
		SUNDAY - 26.12.2021
12	December (27-31)	Application of biotechnology Application of biotechnology Application of biotechnology
	January (1)	
		SUNDAY -02.01.2022
13	January (3-8)	Bioremediation Bioremediation
		SUNDAY - 09.01.2022

		Biotechnology research in India
		Biotechnology in context of Developing world
14	January	Safety guidelines
	(10-15)	
		SUNDAY - 16.01.2022
		Ethics in Biotechnology
		Ethics in Biotechnology
15	January	Ethics in Biotechnology
15	(17-22)	
		SUNDAY - 23.01.2022
		Intellectual Property rights
		Intellectual Property rights
10	January	Holiday - 26.01.2022 - Republic day
16	(24-29)	
		SUNDAY - 30.01.2022
	January(31)	Intellectual Property rights
		Intellectual Property rights
17	February(1-4)	Intellectual Property rights
		Holiday - 05.02.2022 - Vasant Panchami
		SUNDAY - 6.02.2022
		Intellectual Property rights
	February	Intellectual Property rights
18		Revision Test
	(7-12)	
		SUNDAY - 13.02.2022

		Revision Test
	February (14-19)	Revision Test
		Revision Test
23		
		SUNDAY - 20.02.2022
20	February	Revision Test
	(21-22)	

Teaching Term: (06.10.2021 to 22.02.2022) (Odd Semester)

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

Name of the Paper:-Biochemistry:I Paper II Class: Bsc.Ist Sem

Name of the Teachers (Section wise): Anjushree Saraswal

WEEK	DATE	TOPICS		
1	October (6 - 9)	HOLIDAY - 07.10.2021 - Maharaja Agarsen Jayanti ORIENTATION PROGRAMME & LIBRARY VISIT (SCIENCE)		
		SUNDAY - 10.10.2021		
2	October (11-16)	Biomolecules: Introduction, important features  HOLIDAY - 15.10.2021 - DUSSEHRA  covalent and non-covalent interactions		
SUNDAY - 17.10.2021				
3	October (18-23)	Holiday - 20.10.2021 - Maharishi Valmiki Jayanti  Carbohydrates introduction and biological significance  Carbohydrates introduction and biological significance  Carbohydrates introduction and biological significance		
SUNDAY - 24.10.2021				
4	October (25 -30)	Monosaccharides Monosaccharides Monosaccharides		
	VACATIO	ONS: 31.10.2021 to 07.11.2021 - DIWALI BREAK		

5	November (8 -13 )		
		Monosaccharides	
		Configuration and Conformation	
		Configuration and Conformation	
		SUNDAY - 14.11.2021	
6	November (15 -20 )	Configuration and Conformation	
		Configuration and Conformation  Holiday -19.11.2021 - Guru Nanak Dev Jayanti	
		Configuration and Conformation	
		SUNDAY - 21.11.2021	
_	November		
7	(22-27)	Reducing and Non-reducing sugars	
		Reducing and Non-reducing sugars	
		Reducing and Non-reducing sugars	
		SUNDAY - 28.11.2021	
	November (29-30) December (1-4)		
8			
		Reducing and Non-reducing sugars	
		Glycosidic bond Disaccharides	
		Glycosidic bond Disaccharides	
		SUNDAY - 5.12.2021	
	December (6-11)		
9		Polygageharidas	
		Polysaccharides	
		Polysaccharides Polysaccharides	
SUNDAY - 12.12.2021			

10	December			
10	(13-18)	Polysaccharides		
		Amino acids, Peptides and Proteins		
		Amino acids, Peptides and Proteins		
		SUNDAY - 19.12.2021		
11	December (20-25)			
11	(20-25)	Amino acids, Peptides and Proteins		
		Proteins: Classification based on structure and function		
		Holiday -25.12.2021 - Christmas		
SUNDAY - 26.12.2021				
	December			
12	(27-31)			
12		Proteins: Classification based on structure and function		
		Proteins: Classification based on structure and function		
	January (1)			
	January (1)	Proteins: Classification based on structure and function		
		SUNDAY -02.01.2022		
	lamam.			
13	January (3-8)	Linide		
	-	Lipids		
		Lipids		
		Lipids		
SUNDAY - 09.01.2022				

14	January (10-15)	Lipids Lipids Lipids
		SUNDAY - 16.01.2022
15	January (17-22)	Assignments Lipids Lipids
		SUNDAY - 23.01.2022
16	January (24-29)	Holiday - 26.01.2022 - Republic day  Lipids  Nucleotides and Nucleic acids  Nucleotides and Nucleic acids
		SUNDAY - 30.01.2022
	January(31)	
17	February(1-4)	Nucleotides and Nucleic acids Nucleotides and Nucleic acids Properties of DNA
		Holiday - 05.02.2022 - Vasant Panchami
		SUNDAY - 6.02.2022
18	February (7-12)	Properties of DNA Biologically important nucleotides and their functions Biologically important nucleotides and their functions
		SUNDAY - 13.02.2022

19	February (14-19)	Biologically important nucleotides and their functions Revision test Revision test
		SUNDAY - 20.02.2022
20	February (21-22)	