LESSON PLAN

SESSION 2022-23 (01.09.2022 to 14.12.2022)

Weekly Lesson Plan

(Odd Semester)

UG (1st Semester)

Name of the Paper:- Life and diversity from Protozoa Class: B.Sc. I to Porifera and Cell Biology - I

Name of the Teachers (Section Wise) : Pawan Kumar

WEEK	DATE	TOPICS
1	Contombor	Porifera: General Characters
		Porifera: Classification
	September (6-10)	
	(0-10)	
		SUNDAY - 11.09.2022
		Porifera: Biodiversity
		Porifera: Economic Importance
2	September	Porifera: Type Study-Sycon
-	(12-17)	
		SUNDAY - 18.09.2022
		Porifera: Type Study-Sycon
-	September	Porifera: Type Study-Sycon
3	(19-24)	Porifera: Type Study-Sycon
	AV 22 00 2022	Shaheedi Divas/ Haryana War Heroes' Martydom Day)
HOLIL	JAT - 25.05.2022	SUNDAY - 25.09.2022
	HOLIDA	Y - 26.09.2022 (Maharaja Agrasen Jayanti)
		Porifera: Canal System in Sponges
	September	Porifera: Spicules in Sponges
4	(27-30)	class test
	October	
	(1)	
	SUNDAY - 02	.10.2022 & Holiday (Mahatma Gandhi Jayanti)
	October (3-8)	Protozoa: General Character
5		Protozoa: Classification
		Protozoa: Biodiversity
	(3-8)	
HOLIDAY - 05.10.2022 (Dussehra)		
SUNDAY - 09.10.2022 & Holiday (Maharishi Valmiki Jayanti)		

Protozoa: Plasmodium				
6	October	Protozoa: Plasmodium		
		Protozoa: Entamoeba		
	(10-15)			
		SUNDAY - 16.10.2022		
		Protozoa: Trypanosoma		
		Protozoa: Leishmania		
7	October	Protozoa: Giardia		
	(17-21)			
	Div	wali Break - 22.10.2022 to 26.10.2022		
_	October			
8	(27-29)			
	. ,			
		SUNDAY - 30.10.2022		
	October	Cell Biology: Plasma Membrane		
	(31)	Cell Biology: Plasma Membrane Cell Biology: Endoplasmic Reticulum		
9	November			
	(1-5)			
		IOLIDAY - 01.11.2022 (Haryana Day)		
		SUNDAY - 06.11.2022		
		Cell Biology: Golgi Complex		
		Cell Biology: Ribosomes		
10	November	Cell Biology: Lysosomes		
	(7-12)			
	HOLID	AY - 08.11.2022 (Guru Nanak Dev Jayanti)		
		SUNDAY - 13.11.2022		
		Cell Biology: Mitochondria		
		Cell Biology: Mitochondria		
	November	class test		
11	(14-19)			
	·	SUNDAY - 20.11.2022		
		Cell Biology: Cytoskeleton		
		Cell Biology: Cytoskeleton		
12	November	class test		
	(21-26)			
SUNDAY - 27.11.2022				

		Cell Biology: Cytoskeleton
13	November	Cell Biology: Cytoskeleton
	(28-30)	Cell Biology: Cytoskeleton
15	December	
	(1-3)	
		SUNDAY - 04.12.2022
	December (5-10)	Revision
		Revision
14		Revision
14		
		SUNDAY - 11.12.2022
	December	Revision
15		Revision
	(12-14)	Revision

LESSON PLAN

SESSION 2022-23 (01.09.2022 to 14.12.2022)

Weekly Lesson Plan

(Odd Semester)

UG (1st Semester)

Name of the Paper:- Life and Diversity from colenterata Class: B.Sc. Medical And helminthes and cell biology II

Name of the Teachers (Section Wise) : Ms. BHAWNA MALIK

WEEK	DATE	TOPICS
1	September (6-10)	General characters of Coelenterates Biodiversity and Economic importance Biodiversity and Economic importance
		SUNDAY - 11.09.2022
2	September (12-17)	Type study <i>Obelia</i> Type study Obelia Type study Obelia
		SUNDAY - 18.09.2022
3	September (19-24)	Type study Obelia Type study Obelia
HOLIDA	AY - 23.09.2022 (Shaheedi Divas/ Haryana War Heroes' Martydom Day)
		SUNDAY - 25.09.2022
	HOLIDAY	- 26.09.2022 (Maharaja Agrasen Jayanti)
4	September (27-30) October (1)	Type study Obelia Type study Obelia Type study Obelia Type study Obelia
	SUNDAY - 02.	10.2022 & Holiday (Mahatma Gandhi Jayanti)
5	October (3-8)	Corel and corel reefs Polymorphism in Siphonophores Revision test
HOLIDAY - 05.10.2022 (Dussehra)		
SUNDAY - 09.10.2022 & Holiday (Maharishi Valmiki Jayanti)		

	October	
6	(10-15)	General characters of Helminthes
	(10-15)	Biodiversity and Economic importance
		Type study Fasciola hepatica
		SUNDAY - 16.10.2022
7	October	Type study Fasciola hepatica
	(17-21)	Type study Fasciola hepatica
		Type study Fasciola hepatica
	Diw	ali Break - 22.10.2022 to 26.10.2022
	Ostakan	Type study Fasciola hepatica
8	October	Type study Fasciola hepatica
	(27-29)	Type study Fasciola hepatica
		SUNDAY - 30.10.2022
	October	
	(31)	
9	November	Helminthes parasites
	(1-5)	Helminthes parasites
	(1-5)	Helminthes parasites
	НС	DLIDAY - 01.11.2022 (Haryana Day)
	1	SUNDAY - 06.11.2022
	November (7-12)	
10		Helminthes parasites
		Ultrastucture and sturcture of nucleus
		Nuclear membrane, Nucleolus
	HOLIDA	Y - 08.11.2022 (Guru Nanak Dev Jayanti)
	1	SUNDAY - 13.11.2022
	Nerrenter	
11	November	Fine sturcture of chromosomes
	(14-19)	
		Nucleosome concept and role of histones
		Euchromatin and etrochromatin
		SUNDAY - 20.11.2022
	November	
12	(21-26)	Mitosis and Meiosis
	(21-20)	Mitosis and Meiosis
		Mitosis and Meiosis
		SUNDAY - 27.11.2022
SUNDAY - 27.11.2022		

13	November (28-30) December (1-3)	Brief account of cause of cancer Brief account of cause of cancer Brief account of cause of cancer	
		SUNDAY - 04.12.2022	
14	December (5-10)	Cellular basis of Immunity Cellular basis of Immunity Revision test	
	SUNDAY - 11.12.2022		
15	December (12-14)		

LESSON PLAN

SESSION 2022-23 (01.09.2022 to 14.12.2022)

Weekly Lesson Plan

(Odd Semester)

UG (1st Semester)

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

Name of the Teachers (Section Wise) : Prof. Garima Tarika

WEEK	DATE	TOPICS	
	September (6-10)	Unit - I : Mathematical Background Gradient of a scalar and	
1		its physical significance	
		Line Integral Surface Integral and its physical significance	
	(0-10)		
		SUNDAY - 11.09.2022	
		Numerical	
		Volume integrals of a vector	
2	September	and their physical significance	
-	(12-17)	Numericals	
		SUNDAY - 18.09.2022	
		Flux of a vector field,	
	September	Divergence of a vector and	
3	(19-24)	their physical significance	
HOL	IDAY - 23.09.2	022 (Shaheedi Divas/ Haryana War Heroes' Martydom Day)	
		SUNDAY - 25.09.2022	
	HUL	IDAY - 26.09.2022 (Maharaja Agrasen Jayanti) Gauss's divergence theorem	
	September	Numerical	
4	(27-30)	Discussion	
-	October		
	(1)		
	SUNDAY	- 02.10.2022 & Holiday (Mahatma Gandhi Jayanti)	
		Stoke's theorem	
		Derivation of electric field E from potential as gradient	
5	October		
	(3-8)		
HOLIDAY - 05.10.2022 (Dussehra)			
SUNDAY - 09.10.2022 & Holiday (Maharishi Valmiki Jayanti)			

		Derivation of Laplace and Poisson equations
		Electric flux, Gauss's Law
6	October	Numericals
	(10-15)	
		SUNDAY - 16.10.2022 Mechanical force of charged surface
		Unit 2: Magnetism : Magnetic induction, Magnetic flux
7	October	
	(17-21)	
		Diwali Break - 22.10.2022 to 26.10.2022
	October	Numericals
8	(27-29)	Solenoidal nature of vector field of induction
	(27-23)	properties of B (i) , (ii)
	T	SUNDAY - 30.10.2022
	October	Electronic theory of dia and paramagnetism
	(31)	Derivation
9	November	
	(1-5)	
	(/	
		HOLIDAY - 01.11.2022 (Haryana Day) SUNDAY - 06.11.2022
		Domain theory of ferromagnetism (Langevin's theory)
		Cycle of magnetization- hystresis loop
10	November (7-12)	Numericals
	НО	LIDAY - 08.11.2022 (Guru Nanak Dev Jayanti)
		SUNDAY - 13.11.2022
		Unit 3: Electromagnetism : Maxwell equations and their derivations
	November	Derivation (Alternate Method)
11	(14-19)	Derivation Continued, Displacement current
		SUNDAY - 20.11.2022
		Vector and Scalar potentials,
		Boundary conditions at interface between two different media
	November	Propagation of electromagnetic wave (Basic idea, no derivation),
12	(21-26)	
		SUNDAY - 27.11.2022

13	November (28-30) December (1-3)	Poynting vector and Poynting theorem. Unit 4 : A.C. circuit analysis using complex variable with (a) Capacitance and Resistance (b) Resistance and Inductance (c) Capacitance and Inductance (LC)
		SUNDAY - 04.12.2022
14	December (5-10)	Capacitance, Inductance and Resistance (LCR), Series and parallel resonance circuit, Quality factor (sharpness of resonance) Revision
SUNDAY - 11.12.2022		
15	December (12-14)	

LESSON PLAN

SESSION 2022-23 (01.09.2022 to 14.12.2022)

Weekly Lesson Plan

(Odd Semester)

UG (1st Semester)

Name of the Paper:- Classical Mechanics

Class: B.Sc

Name of the Teachers (Section Wise) : Ms. Anjali Singla

UNIT-I (BASIC CONCEPTS OF CLASSICAL MECHANICS) INTRODUCTION OF CLASSICAL				
MECHANICS , MECHANICS OF A SINGLE PARTICLE				
Soutombox TYPES OF FORCES, SOME IMPORTANT TERMS USED IN CLASSICAL MECHANICS AND				
1 September THEIR BRIEF DESCRIPTION				
(6-10) (6-10)				
SUNDAY - 11.09.2022				
NEWTON'S SECOND LAW OF MOTION, WORK DONE IN TERMS OF KINETIC ENERGY AN	١D			
POTENTIAL ENERGY				
September CONSERVATION THEOREM OF LINEAR MOMENTUM FOR A SINGLE PARTICLE				
2 (12-17) CONSERVATION THEOREM OF ANGULAR MOMENTUM FOR A SINGLE PARTICLE				
(12-17)				
SUNDAY - 18.09.2022				
CONSERVATION THEOREM OF ENERGY FOR A SINGLE PARTICLE				
MECHANICS OF A SYSTEM OF PARTICLES				
3 September CONSERVATION THEOREM OF LINEAR AND ANGULAR MOMENTUM FOR A SYSTEM O	F			
(19-24) PARTICLES				
HOLIDAY - 23.09.2022 (Shaheedi Divas/ Haryana War Heroes' Martydom Day)				
SUNDAY - 25.09.2022				
HOLIDAY - 26.09.2022 (Maharaja Agrasen Jayanti) CONSERVATION THEOREM OF ANGULAR MOMENTUM OF A SYSTEM OF PARTICLES IN				
September TERMS OF C.M				
4 (27-30) October CONSERVATION THEOREM OF ENERGY FOR A SYSTEM OF 'N' PARTICLES 4 Note the system of th				
(1) NUMERICALS AND CONCEPTUAL QUESTIONS				
SUNDAY - 02.10.2022 & Holiday (Mahatma Gandhi Jayanti)				
CONSTRAINTS AND THEIR CLASSIFICATION, EXAMPLES OF CONSTRAINTS	-			
DEGREE OF FREEDOM, DISCUSSION OF PROBLEMS BASED ON UNIT-I ASSIGNMENT -1				
5 October DEGREES OF FREEDOM, DISCUSSION OF PROBLEMS BASED ON ONITH ASSIGNMENT 1				
(3-8) (3-8)				
HOLIDAY - 05.10.2022 (Dussehra)				
SUNDAY - 09.10.2022 & Holiday (Maharishi Valmiki Jayanti)				

	1	
		GENERALIZED VELOCITY, GENERALIZED ACCELERATION
	October	GENERALIZED MOMENTUM
6		GENERALIZED FORCE , GENERALIZED POTENTIAL
	(10-15)	ADVANTAGES OF GENERALIZED COORDINATE
	1	SUNDAY - 16.10.2022
		CONFIGURATION SPACE , HAMILTON'S VARIATIONAL PRINCIPLE
	October	DERVATION OF LAGRANGE'S EQUATIONS OF MOTION FROM HAMILTON 'S PRINCIPLE
7	(17-21)	LINEAR HARMONIC OSCILLATOR, ATWOOD'S MACHINE
	(1/ 11)	
		Diwali Break - 22.10.2022 to 26.10.2022
	October	SIMPLE PENDULUM , PROBLEM DISCUSSION
8	(27-29)	DISCUSSION OF PROBLEMS BASED ON UNIT-2, CONCEPTUAL QUESTIONS
	(27 25)	
	1	SUNDAY - 30.10.2022
		UNIT -III (THEORY OF RELATIVITY) FRAME OF REFERENCE , LIMITATION OF NEWTON'S
	October	LAW OF MOTION
	(31)	INERTIAL FRAME OF REFERENCE, NON-INERTIAL FRAME OF REFERENCE
9	November	GALILEAN TRANSFORMATION , GALILEAN INVARIANCE (MEASUREMENT OF LENGTH
	(1-5)	&VELOCITY)
	(= 0)	
	1	
		HOLIDAY - 01.11.2022 (Haryana Day) SUNDAY - 06.11.2022
	1	
		CONDITIONAL TEST
		GALILEAN INVARIANCE (MEASUREMENT OF ACCELERATION) CONSERVATIONS LAWS
	November	ACCORDING TO GALILEAN'S TRANSFORMATIONS (CONSERVATION OF MOMENTUM)
10	(7-12)	TRANSFORMATION EQUATION FOR A FRAME OF REFERENCE INCLINED TO AN INERTIAL
	. ,	FRAME
		HOLIDAY - 08.11.2022 (Guru Nanak Dev Jayanti)
		SUNDAY - 13.11.2022
		SUNDAY - 13.11.2022 TRANSFORMATION EQUATION FOR ROTATING FRAME OF REFERENCE , NON INERTIAL
		SUNDAY - 13.11.2022 TRANSFORMATION EQUATION FOR ROTATING FRAME OF REFERENCE , NON INERTIAL FRAME OF REFERENCE
	November	SUNDAY - 13.11.2022 TRANSFORMATION EQUATION FOR ROTATING FRAME OF REFERENCE , NON INERTIAL FRAME OF REFERENCE THE ACCELERATED FRAME OF REFERENCE AND ROTATING FRAME OF REFERENCE
11	November (14-19)	SUNDAY - 13.11.2022 TRANSFORMATION EQUATION FOR ROTATING FRAME OF REFERENCE , NON INERTIAL FRAME OF REFERENCE
11	November (14-19)	SUNDAY - 13.11.2022 TRANSFORMATION EQUATION FOR ROTATING FRAME OF REFERENCE , NON INERTIAL FRAME OF REFERENCE THE ACCELERATED FRAME OF REFERENCE AND ROTATING FRAME OF REFERENCE
11		SUNDAY - 13.11.2022 TRANSFORMATION EQUATION FOR ROTATING FRAME OF REFERENCE , NON INERTIAL FRAME OF REFERENCE THE ACCELERATED FRAME OF REFERENCE AND ROTATING FRAME OF REFERENCE
11		SUNDAY - 13.11.2022 TRANSFORMATION EQUATION FOR ROTATING FRAME OF REFERENCE , NON INERTIAL FRAME OF REFERENCE THE ACCELERATED FRAME OF REFERENCE AND ROTATING FRAME OF REFERENCE EFFECT OF CENTRIFUGAL FORCE ON THE VALUE OF g due to Gravity on Earth
11		SUNDAY - 13.11.2022 TRANSFORMATION EQUATION FOR ROTATING FRAME OF REFERENCE , NON INERTIAL FRAME OF REFERENCE THE ACCELERATED FRAME OF REFERENCE AND ROTATING FRAME OF REFERENCE EFFECT OF CENTRIFUGAL FORCE ON THE VALUE OF g due to Gravity on Earth SUNDAY - 20.11.2022
11		SUNDAY - 13.11.2022 TRANSFORMATION EQUATION FOR ROTATING FRAME OF REFERENCE , NON INERTIAL FRAME OF REFERENCE THE ACCELERATED FRAME OF REFERENCE AND ROTATING FRAME OF REFERENCE EFFECT OF CENTRIFUGAL FORCE ON THE VALUE OF g due to Gravity on Earth SUNDAY - 20.11.2022 CORIOLIS FORCE EFFECT ON FREELY FALLING PARTICLE
11	(14-19)	SUNDAY - 13.11.2022 TRANSFORMATION EQUATION FOR ROTATING FRAME OF REFERENCE , NON INERTIAL FRAME OF REFERENCE THE ACCELERATED FRAME OF REFERENCE AND ROTATING FRAME OF REFERENCE EFFECT OF CENTRIFUGAL FORCE ON THE VALUE OF g due to Gravity on Earth SUNDAY - 20.11.2022 CORIOLIS FORCE EFFECT ON FREELY FALLING PARTICLE MICHELSON-MORLEY EXPERIMENT CONCEPT OF EINSTEIN'S RELATIVITY
11	(14-19) November	SUNDAY - 13.11.2022 TRANSFORMATION EQUATION FOR ROTATING FRAME OF REFERENCE , NON INERTIAL FRAME OF REFERENCE THE ACCELERATED FRAME OF REFERENCE AND ROTATING FRAME OF REFERENCE EFFECT OF CENTRIFUGAL FORCE ON THE VALUE OF g due to Gravity on Earth SUNDAY - 20.11.2022 CORIOLIS FORCE EFFECT ON FREELY FALLING PARTICLE MICHELSON-MORLEY EXPERIMENT CONCEPT OF EINSTEIN'S RELATIVITY UNIT IV: (APPLICATION OF THEORY OF RELATIVITY) SPECIAL THEORY OF RELATIVITY
	(14-19)	SUNDAY - 13.11.2022 TRANSFORMATION EQUATION FOR ROTATING FRAME OF REFERENCE , NON INERTIAL FRAME OF REFERENCE THE ACCELERATED FRAME OF REFERENCE AND ROTATING FRAME OF REFERENCE EFFECT OF CENTRIFUGAL FORCE ON THE VALUE OF g due to Gravity on Earth SUNDAY - 20.11.2022 CORIOLIS FORCE EFFECT ON FREELY FALLING PARTICLE MICHELSON-MORLEY EXPERIMENT CONCEPT OF EINSTEIN'S RELATIVITY
	(14-19) November	SUNDAY - 13.11.2022 TRANSFORMATION EQUATION FOR ROTATING FRAME OF REFERENCE , NON INERTIAL FRAME OF REFERENCE THE ACCELERATED FRAME OF REFERENCE AND ROTATING FRAME OF REFERENCE EFFECT OF CENTRIFUGAL FORCE ON THE VALUE OF g due to Gravity on Earth SUNDAY - 20.11.2022 CORIOLIS FORCE EFFECT ON FREELY FALLING PARTICLE MICHELSON-MORLEY EXPERIMENT CONCEPT OF EINSTEIN'S RELATIVITY UNIT IV: (APPLICATION OF THEORY OF RELATIVITY) SPECIAL THEORY OF RELATIVITY
	(14-19) November	SUNDAY - 13.11.2022 TRANSFORMATION EQUATION FOR ROTATING FRAME OF REFERENCE , NON INERTIAL FRAME OF REFERENCE THE ACCELERATED FRAME OF REFERENCE AND ROTATING FRAME OF REFERENCE EFFECT OF CENTRIFUGAL FORCE ON THE VALUE OF g due to Gravity on Earth SUNDAY - 20.11.2022 CORIOLIS FORCE EFFECT ON FREELY FALLING PARTICLE MICHELSON-MORLEY EXPERIMENT CONCEPT OF EINSTEIN'S RELATIVITY UNIT IV: (APPLICATION OF THEORY OF RELATIVITY) SPECIAL THEORY OF RELATIVITY

		LENGTH CONTRACTION , TIME DILATION		
	November	TWIN PARADOX, VELOCITY ADDITION THEOREM		
12	(28-30)	VELOCITY ADDITION THEOREM OF RELATIVISTIC ADDITION OF VELOCITIES		
13	December	VARIATION OF MASS WITH VELOCITY , MASS ENERGY EQUIVALENCE		
	(1-3)	EINSTEIN'S MASS ENERGY RELATIONSHIP		
		SUNDAY - 04.12.2022		
		TRANSFORMATION OF RELATIVISTIC MOMENTUM AND ENERGY		
		RELATION BETWEEN RELATIVISTIC MOMENTUM AND ENERGY		
14	December	MASS, VELOCITY ,MOMENTUM AND ENERGY OF ZERO REST MASS		
14	(5-10)			
	SUNDAY - 11.12.2022			
	December	Revision		
15	(12-14)	Revision		
	(12-14)	Revision		

LESSON PLAN

SESSION 2022-23 (01.09.2022 to 14.12.2022)

UG (1st Semester)

Weekly Lesson Plan

(Odd Semester)

Name of the Paper:- SOLID GEOMETRY

Class: B.SC.-I

Name of the Teachers (Section Wise) : SHIVANI MITTAL

WEEK	DATE	TOPICS			
		CONIC SECTION, GENERAL EQ OF SECOND DEGREE			
		TO FIND THE LENGTH AND EQUATION OF THE AREAS OF A CENTRAL			
1	September	CONIC			
1	(6-10)	THE PARABOLA GENERAL			
		PROBLEM DISCUSSION			
		CH-2 TRACING OF A CENTRAL CONIC- ELLIPSE			
SUNDAY - 11.09.2022					
		TRACING OF A HYPERBOLA , PARABOLA			
		PROBLEM DISCUSSION			
2	September	TEST OF CH-1,2			
2	(12-17)	CH-3 TANGENT AND NORMAL TO A CONIC			
		POLE AND POLAR			
		NUMERICALS ON POLE AND POLAR OF CONIC			
		SUNDAY - 18.09.2022			
		CH-4 SYSTEM OF CONICS			
	September (19-24)	RELATED ARCTICLES AND NUMERICAL OF SYSTEM OF CONICS			
3		PROBLEM DISCUSSION OF CH-3,4			
		CH-5 CONFOCAL CONICS			
		RELATED NUMERICAL			
нс	HOLIDAY - 23.09.2022 (Shaheedi Divas/ Haryana War Heroes' Martydom Day)				
SUNDAY - 25.09.2022					
	HOL	IDAY - 26.09.2022 (Maharaja Agrasen Jayanti)			
	September	POLAR COORDINATES			
	(27-30)	CONIC SECTION IN POLAR FORM			
4		RELATED NUMERICALS			
	October (1)	PROBLEM DISCUSSION OF CH-5,6			
	(1)	SPHERE-CENTRE, RADIUS AND VARIOUS FORM OF SPHERE			
	SUNDAY	- 02.10.2022 & Holiday (Mahatma Gandhi Jayanti)			
		SPHERE PASSING THROUGH FOUR POINTS			
	Octobor	PLANE SECTION OF A SPHERE			
5	October (3-8)	SPHERE PASSING THROUGH A GIVEN CIRCLE			
		INTERSECTION OF TWO SPHERES			
		SPHERE AND A LINE			
HOLIDAY - 05.10.2022 (Dussehra)					
SUNDAY - 09.10.2022 & Holiday (Maharishi Valmiki Jayanti)					

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		TANGENT TO A SPHERE		
6	October	DIAMETRAL AND POLAR PLANE		
		INTERSECTION OF TWO SPHERES		
	(10-15)			
		EQUATION OF CONE WITH GIVEN VERTEX AND CONIC AS BASE		
		EQUATION OF RIGHT CIRCULAR CONE		
	Г	SUNDAY - 16.10.2022		
		EQUATION OF ENVELOPING CONE		
	October	CONE REPRESENTATION BY GENERAL EQUATION OF SECOND DEGREE		
7	(17-21)	EQUATION OF A QUADRIC CONE THROUGH AXES		
	()			
		CONDITION OF CONE TO HAVE THREE PERPENDICULAR GENERATORS		
		EQUATION OF A TANGENT PLANE, CONDITION OF TANGENCY		
		Diwali Break - 22.10.2022 to 26.10.2022		
	October	EQUATION OF RECIPROCAL CONE		
8	(27-29)	PROBLEM DISCUSSION OF CH-7,8		
	(27-25)	TEST OF CH-7,8		
		SUNDAY - 30.10.2022		
		EQUATION OF CYLINDER WHOSE AXIS AND GUIDING CURVE ARE		
	October	GIVEN		
		EQUATION OF RIGHT CIRCULAR CYLINDER IN STANDARD		
9	(31) November (1-5)	FORM,GENERAL FORM		
		EQUATION OF THE ENVELOPING CYLINDER		
		CONICOID		
		EQUATION OF TANGENT PLANE, CONDITION OF TANGENCY		
		HOLIDAY - 01.11.2022 (Haryana Day)		
		SUNDAY - 06.11.2022		
		THE EQUATION OF DIRECTOR SPHERE		
	November (7-12)	NUMBER OF NORMALS FROM A GIVEN POINT		
10		CUBIC CURVE THROUGH FEET OF SIX NORMALS		
		QUADRIC CONE THROUGH SIX CONCURRENT NORMALS		
		POLAR PLANE OF A POINT		
	HO	LIDAY - 08.11.2022 (Guru Nanak Dev Jayanti)		
		SUNDAY - 13.11.2022		
		RECIPROCAL PROPERTY		
		POLE OF A GIVEN SPHERE		
11	November	CONDITIONS FOR TWO PLANE TO BE CONJUGATE		
11	(14-19)	POLAR OF A PLANE W.R.T. CONICOID		
		ENVELOPING CYLINDER OF CONICOID		
		DIAMETRAL PLANE PROPERTY		
		SUNDAY - 20.11.2022		
		PLANE SECTION WITH GIVEN CENTRE		
		INTERSECTION OF A LINE AND PARABOLOID		
	November	CONDITION OF TANGENCY OF A LINE FOR PARABOLOID		
12	(21-26)	LOUCS OF POINTS OF INTERSECTION		
		NORMALS TO AN ELLIPTIC PARABOLOID		
		NUMBER OF NORMALS FROM A GIVEN POINT		
	<u>.</u>	SUNDAY - 27.11.2022		
JUNDAT - 27.111.2022				

		TEST OF CH-9,10
	November	CENTRAL PLANE SECTION OF CENTRAL CONICOID
		NON-CENTRAL PLANE SECTION OF CENTRAL CONICOID
13	(28-30)	CIRCULAR SECTIONS
	December	PLANE SECTIONS OF THE PARABOLOID
	(1-3)	GENERATING LINES OF HYPERBOLIC OF ONE SHEET, HYPERBOLIC
		PARABOLOID
		SUNDAY - 04.12.2022
		PROBLEM DISCUSSION OF CH-11,12
14	December (5-10)	CONFOCAL CONICOIDS
		CONFOCALS THROUGH A GIVEN POINT AND GIVEN LINE
		ELLIPTIC COORDINATES
		CONT
		REDUCTION OF SECOND DEGREE EQUATIONS
		SUNDAY - 11.12.2022
	December	REDUCTION OF SECOND DEGREE EQUATIONS
15		REDUCTION OF SECOND DEGREE EQUATIONS
	(12-14)	PROBLEM DISCUSSION OF CH-13,14

LESSON PLAN

SESSION 2022-23 (01.09.2022 to 14.12.2022)

Weekly Lesson Plan

UG (1st Semester)

(Odd Semester)

Name of the Paper:- Calculus

Semestery

Class: B.SC.-I

Name of the Teachers (Section Wise) : Sumit Geahlan

1 September (6-10) Derivative of a Function, Basics of Differentiation and Integration Successive Differentiation (0ustions based on Successive Differentiation Differentiation of Parametric Functions Differentiation of Parametric Functions 2 September (12-17) Differentiation using Partial Fractions Differentiation using Partial Fractions Differentiation using Partial Fractions 2 September (12-17) Differentiation using Partial Fractions Differentiation using Partial Fractions 3 September (12-17) Questions based on Leibnitz's Theorem Applications of Leibnitz's Theorem 3 September (19-24) Taylor's Theorem with Lagrange's form of remainder Questions based on Taylor's Theorem with Cauchy's form of remainder Questions based on Taylor's Theorem with Cauchy's form of remainder Questions based on Taylor's Theorem with Cauchy's form of remainder Questions based on Taylor's Theorem with Cauchy's form of remainder Questions based on Taylor's Theorem with Cauchy's form of remainder Questions based on Taylor's Theorem with Cauchy's form of remainder 4 September (19-24) Applications of Taylor's Series Applications of Taylor's Series 4 September (27-30) October (1) Applications of Taylor's Series Applications of Taylor's Series 5 SUNDAY - 02.0.2022 & Hoiday (Mahatma Gandhi Jayanti) 5 Sunday Asymptotes of Algebraic Curve Oblique Asymptotes of Algebraic Curve Oblique Asymptotes of Algebraic Curve Oblique Asymptotes of Algebraic Curve	WEEK	DATE	TOPICS
1 September (6-10) Questions based on Successive Differentiation 2 Unifferentiation of Parametric Functions 2 September (12-17) Differentiation using Partial Fractions 3 September (19-24) Differentiation using Partial Fractions 3 September (19-24) Taylor's Theorem 3 September (19-24) Taylor's Theorem with Lagrange's form of remainder Questions based on Taylor's Theorem with Cauchy's form of remainder Questions based on Taylor's Theorem with Cauchy's form of remainder 3 September (19-24) Taylor's Theorem with Cauchy's form of remainder Questions based on Taylor's Theorem with Cauchy's form of remainder 4 October (19-24) September (27-30) Applications of Taylor's Series 4 September (27-30) Applications of Taylor's Series Applications of Taylor's Series 4 September (2-30) Applications of Taylor's Series Applications of Taylor's Series 5 September (2-30) Co			Derivative of a Function, Basics of Differentiation and Integration
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HOLIDAY - 05.10.2022 (Dussehra)			
SUNDAY - 09 10 2022 & Holiday (Maharishi Valmiki Javanti)			
JONDAT - UJATORZOZZ & HUNAAY (IVIANANSHI VAININA JAYANA)	SUNDAY - 09.10.2022 & Holiday (Maharishi Valmiki Jayanti)		

		Intersection of Curve and its Asymptotes			
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		Intersection of Curve and its Asymptotes			
	October	Polar Asymptotes			
	(10-15)	Polar Asymptotes			
		Curvature			
		Articles related to Curvature			
	SUNDAY - 16.10.2022				
		Questions based on Curvature			
_	October (17-21)	Questions based on Curvature			
7		Radius of Curvature in Polar Form			
		Radius of Curvature in Polar Form			
		Curvature at Origin			
	Diwali Break - 22.10.2022 to 26.10.2022				
	October	Centre of Curvature and Evolute of a Curve			
8	(27-29)	Centre of Curvature and Evolute of a Curve			
	()	Curve Tracing			
	SUNDAY - 30.10.2022				
	October	Curve Tracing			
	(31)	Curve Tracing Parametric Equations			
9	November	Curve Tracing Parametric Equations			
	(1-5)	Tracing of Polar Curves			
	(1 5)	Reduction Formulae			
	HOLIDAY - 01.11.2022 (Haryana Day)				
SUNDAY - 06.11.2022					
	November (7-12)	Articles related to Reduction Formulae			
		Articles related to Reduction Formulae			
10		Questions based on Reduction Formulae			
		Questions based on Reduction Formulae			
		Questions based on Reduction Formulae			
	НС	DLIDAY - 08.11.2022 (Guru Nanak Dev Jayanti)			
	F	SUNDAY - 13.11.2022			
		Rectification, Fundamental Theorem about Rectification			
		Rectification, Fundamental Theorem about Rectification			
11	November	Rectification, Fundamental Theorem about Rectification			
11	(14-19)	Rectification, Fundamental Theorem about Rectification			
		Problem Discussion			
		Length of Parametric Curves			
	I	SUNDAY - 20.11.2022			
		Length of Parametric Curves			
		Length of Parametric Curves			
	November	Length of Polar Curves			
12	(21-26)	Length of Polar Curves			
	,,	Length of Polar Curves			
		Intrinsic Equation of a Curve			
	ł	SUNDAY - 27.11.2022			

		Quadrature	
	November	Quadrature	
13	(28-30)	Quadrature	
15	December	Quadrature	
	(1-3)	Quadrature	
		Quadrature	
SUNDAY - 04.12.2022			
		PROBLEM DISCUSSION	
		TEST	
14	December	REVISION	
14	(5-10)	REVISION	
		REVISION	
		REVISION	
	SUNDAY - 11.12.2022		
	December	REVISION	
15		TEST	
	(12-14)	REVISION	

LESSON PLAN

SESSION 2022-23 (01.09.2022 to 14.12.2022)

Weekly Lesson Plan

(Odd Semester)

UG (1st Semester)

Name of the Paper:- Algebra

Class: B.Sc. I

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

WEEK	DATE	TOPICS			
	Contraction of	Orientation			
		Matrices and Elementary Properties			
1	September	Matrices and Elementary Properties			
	(6-10)	Matrices and Elementary Properties			
		Matrices and Elementary Properties			
SUNDAY - 11.09.2022					
		Matrices and Elementary Properties			
		Matrices and Elementary Properties			
2	September	Rank of a Matrix			
2	(12-17)	Row Echelon Form			
		Row Echelon Form			
		Row reduced echelon form			
		SUNDAY - 18.09.2022			
		Theorems			
	September (19-24)	Normal Form			
3		Normal Form			
		Theorems based on Normal form			
		Inverse of a Matrix			
HOLIDA	Y - 23.09.2022 (S	haheedi Divas/ Haryana War Heroes' Martydom Day)			
		SUNDAY - 25.09.2022			
	HOLIDAY -	26.09.2022 (Maharaja Agrasen Jayanti)			
	September	Elementary matrices			
	(27-30)	Theorems based on Elementary matrices			
4	(27-30) October	Theorems based on Elementary matrices			
	(1)	Linearly independent and dependant vectors			
		Linearly independent and dependant vectors			
	SUNDAY - 02.1	0.2022 & Holiday (Mahatma Gandhi Jayanti)			
		Orthogonal Matrix			
	October	Unitary Matrix			
5	(3-8)	Unitary Matrix			
		Characteristic roots of a matrix			
		Characteristic roots of a matrix			
HOLIDAY - 05.10.2022 (Dussehra)					
SUNDAY - 09.10.2022 & Holiday (Maharishi Valmiki Jayanti)					

r	1	The second and the second seco		
		Theroems Based on characteristic roots of a matrix		
		Theroems Based on characteristic roots of a matrix		
6	October	Theroems Based on characteristic roots of a matrix		
	(10-15)	Cayley hamilton theorem		
		questions based on cayley Hamilton Theorem		
		Minimal Polynomial of a matrix		
		SUNDAY - 16.10.2022		
		Minimal Polynomial of a matrix		
	October	Problem Discusson		
7	(17-21)	Test		
	(17-21)	Application of matrices to solve system of equations		
		Application of matrices to solve system of equations		
	Diwa	li Break - 22.10.2022 to 26.10.2022		
		Application of matrices to solve system of equations		
8	October	Non-Homogeneous system of equations		
-	(27-29)	Non-Homogeneous system of equations		
	• •	SUNDAY - 30.10.2022		
		Homogeneous system of equations		
	October	Homogeneous system of equations		
9	(31)	General properties of polynomial and equations		
5	November	Synthetic Division		
	(1-5)	Numericals based on polynomials		
		LIDAY - 01.11.2022 (Haryana Day)		
		SUNDAY - 06.11.2022		
		Fundamental theorem of algebra		
	N 1 h	Theorems based on Polynomials		
10	November	Numericals based on polynomials		
	(7-12)	Relation between Roots and The Coefficients of an		
		equation		
		Numericals		
	HOLIDAY	- 08.11.2022 (Guru Nanak Dev Jayanti)		
		SUNDAY - 13.11.2022		
		Common roots and Repeated Roots		
		Transformation of equation		
11	November	Diminishing roots by a given number		
11	(14-19)	Equation with binomial coefficients		
		Equation with binomial coefficients		
		Problem Discussion		
SUNDAY - 20.11.2022				
		Transform an equation whose roots are algebraic		
		functions of the roots of the given equation		
	November	functions of the roots of the given equation Transform an equation whose roots are algebraic		
12	November (21-26)	functions of the roots of the given equation Transform an equation whose roots are algebraic functions of the roots of the given equation		
12	November (21-26)	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		
12		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 Cardan's method to solve cubic equation		
12		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 Cardan's method to solve cubic equation Numericals		
12		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 Cardan's method to solve cubic equation		

		Descartes solution of the biquadratic	
	November	Ferraris method	
13	(28-30)	Numericals	
13	December	Descartes rule of sign	
	(1-3)	Linear Transformation	
		Bilinear Form	
SUNDAY - 04.12.2022			
		Canonical Form of a Bilinear form	
		Factorizable Bilinear form	
14	December	Quadratic Form	
14	(5-10)	Numericals	
		Linear transformation of a Quadratic form	
		Numericals	
	SUNDAY - 11.12.2022		
	December	Factorable Quadratic Form	
15		Numericals	
	(12-14)	Revision	

I.B. (PG) COLLEGE, PANIPAT LESSON PLAN

SESSION 2022-23 (01.09.2022 to 14.12.2022)

Weekly Lesson Plan

(Odd Semester)

UG (1st Semester)

Name of the Paper: English Class: B.Sc. NonMed/Computer Science/Medical/Bio Tech Name of the Teachers (Section Wise) : Srishti Sharma

WEEK	DATE	TOPICS				
	Contombor	"Let me not to the Marriage of true Minds"				
		"Let me not to the Marriage of true Minds"				
1	September (6-10)	Question/Answer				
	(0-10)	Revision				
		Grammar Practice				
	SUNDAY - 11.09.2022					
		Question/Answer Discussion				
		Paragraph Writing				
2	September	About John Donne				
2	(12-17)	"Death Be Not Proud"				
		Revision				
		Grammar Practice				
		SUNDAY - 18.09.2022				
		"Death Be Not Proud"				
	September	"Death Be Not Proud"				
3	(19-24)	Question/Answer Discussion				
		Grammar Practice				
		Revision				
HO	LIDAY - 23.09.2	2022 (Shaheedi Divas/ Haryana War Heroes' Martydom Day)				
	SUNDAY - 25.09.2022					
	HOLIDAY - 26.09.2022 (Maharaja Agrasen Jayanti)					
	September	"On His Blindness"				
	(27-30)	"On His Blindness"				
4	October	"On His Blindness"				
	(1)	Grammar Practice				
		Class Test				
	SUNDAY	(- 02.10.2022 & Holiday (Mahatma Gandhi Jayanti)				
		Question/Answer Discussion				
	October	Assignment 1				
5	(3-8)	Assignment 1				
		Grammar				
		Revision				
HOLIDAY - 05.10.2022 (Dussehra)						
SUNDAY - 09.10.2022 & Holiday (Maharishi Valmiki Jayanti)						

6 "The Retreat" (10-15) Question/Answer Discussion Revision Revision Class test Class test SUNDAY - 16.10.2022 October (17-21) "Shadwell" "Shadwell" "Shadwell" "Shadwell" "Shadwell" "Shadwell" "Shadwell" "Shadwell" "Shadwell" Question/Answer Discussion Revision Revision Diwali Break - 22.10.2022 to 26.10.2022 8 October (27-29) "Know Then Thyself" "Know Then Thyself" "Know Then Thyself" "Know Then Thyself" Question/Answer Discussion SUNDAY - 30.10.2022 SUNDAY - 30.10.2022 PILIDAY - 11.1.2022 (Haryana Day) The Little Black Boy"
6 (10-15) Question/Answer Discussion Revision Class test Class test SUNDAY - 16.10.2022 7 October (17-21) "Shadwell" "Shadwell" "Shadwell" "Shadwell" "Shadwell" "Shadwell" "Shadwell" "Shadwell" Question/Answer Discussion Revision Revision Diwali Break - 22.10.2022 to 26.10.2022 8 October (27-29) "Know Then Thyself" "Know Then Thyself" "Know Then Thyself" "Know Then Thyself" Question/Answer Discussion SunDAY - 30.10.2022 9 October (31) November (1-5) Assignment 2 Assignment 2 Assignment 2 Assignment 2 "The Little Black Boy"
(10-15) Question/Answer Discussion Revision Class test SUNDAY - 16.10.2022 (17-21) "Shadwell" "Shadwell" "Shadwell" "Shadwell" "Shadwell" "Shadwell" "Shadwell" Question/Answer Discussion Revision Revision Revision October "Know Then Thyself" "Know Then Thyself" "Know Then Thyself" "Know Then Thyself" Question/Answer Discussion SUNDAY - 30.10.2022 SUNDAY - 30.10.2022 9 October Assignment 2 (31) "The Little Black Boy" "The Little Black Boy" "The Little Black Boy" "The Little Black Boy" "The Little Black Boy"
Class test SUNDAY - 16.10.2022 "Shadwell" "Shadwell" "Shadwell" "Shadwell" Question/Answer Discussion Revision Revision SUNDAY - 20.10.2022 to 26.10.2022 Now Then Thyself" (27-29) SUNDAY - 30.10.2022 SUNDAY - 30.10.2022 Assignment 2 The Little Black Boy"
SUNDAY - 16.10.2022 Y Shadwell" "Shadwell" "Shadwell" "Shadwell" "Shadwell" "Shadwell" "Shadwell" "Shadwell" "Shadwell" Question/Answer Discussion Revision Diwali Break - 22.10.2022 to 26.10.2022 8 October (27-29) "Know Then Thyself" "Know Then Thyself" "Know Then Thyself" Question/Answer Discussion SUNDAY - 30.10.2022 SUNDAY - 30.10.2022 Assignment 2 "The Little Black Boy"
7 Shadwell" 'Shadwell" 'Shadwell" 'Shadwell" Question/Answer Discussion Revision Diwali Break - 22.10.2022 to 26.10.2022 8 October (27-29) ''Know Then Thyself" ''Know Then Thyself" ''Know Then Thyself" Question/Answer Discussion SUNDAY - 30.10.2022 9 October (31) November (1-5) November (1-5) Assignment 2 'The Little Black Boy" ''The Little Black Boy" 'The Little Black Boy" 'HOLIDAY - 01.11.2022 (Haryana Day)
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7October (17-21)"Shadwell" Question/Answer Discussion Revision8October (27-29)"Know Then Thyself" "Know Then Thyself" Question/Answer Discussion9October (31) November (1-5)Assignment 2 "The Little Black Boy" "The Little Black Boy"HOLIDAY - 01.11.2022 (Haryana Day)
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Diwali Break - 22.10.2022 to 26.10.2022 8 October (27-29) "Know Then Thyself" 9 October (31) "Know Then Thyself" 9 October (31) Assignment 2 November (1-5) "The Little Black Boy" "The Little Black Boy" "The Little Black Boy" HOLIDAY - 01.11.2022 (Haryana Day)
8 October (27-29) "Know Then Thyself" 9 0ctober (31) "Know Then Thyself" 9 October (31) Assignment 2 November (1-5) Assignment 2 "The Little Black Boy" "The Little Black Boy" "The Little Black Boy" "The Little Black Boy" HOLIDAY - 01.11.2022 (Haryana Day) HOLIDAY - 01.11.2022 (Haryana Day)
8 October (27-29) "Know Then Thyself" Question/Answer Discussion 9 October (31) November (1-5) Assignment 2 Assignment 2 "The Little Black Boy" "The Little Black Boy" 9 Uter the tittle Black Boy" "The Little Black Boy" 9 HOLIDAY - 01.11.2022 (Haryana Day)
8 (27-29) "Know Then Thyself" Question/Answer Discussion 9 October (31) Assignment 2 November (1-5) "The Little Black Boy"
9 October (31) November (1-5) VOLIDAY - 30.10.2022 Assignment 2 Assignment 2 Assignment 2 "The Little Black Boy" "The Little Black Boy" "The Little Black Boy" "The Little Black Boy" "The Little Black Boy"
9 October (31) November (1-5) Assignment 2 Assignment 2 "The Little Black Boy" "The Little Black Boy"
9 (31) November (1-5) HOLIDAY - 01.11.2022 (Haryana Day)
9 (31) November (1-5) Assignment 2 "The Little Black Boy" "The Little Black Boy" "The Little Black Boy" "The Little Black Boy" HOLIDAY - 01.11.2022 (Haryana Day)
9 November (1-5) "The Little Black Boy" "The Little Black Boy"
(1-5) "The Little Black Boy" "The Little Black Boy" HOLIDAY - 01.11.2022 (Haryana Day)
HOLIDAY - 01.11.2022 (Haryana Day)
SUNDAY - 06.11.2022
Grammar
November "Three Years She Grew in Sun and Shower"
10 (7-12) "Three Years She Grew in Sun and Shower"
Question/Answer Discussion
Revision
HOLIDAY - 08.11.2022 (Guru Nanak Dev Jayanti)
SUNDAY - 13.11.2022 Grammar Practice
Conditional Test
November "England in 1819"
(14-19) "England in 1819" "England in 1819"
Revision
SUNDAY - 20.11.2022
Question/Answer Discussion
Grammar
November "Crossing The Bar"
12 (21-26) "Crossing The Bar"
"Crossing The Bar"
Revision
SUNDAY - 27.11.2022

		Grammar Practice
	November	Question/Answer Discussion
13	(28-30)	Grammar Practice
15	December	Class Test
	(1-3)	Revision
		Grammar Practice
SUNDAY - 04.12.2022		
14	December (5-10)	Discussion about Poets and works in Syllabus
		Discussion about Poets and works in Syllabus
		Previous year papers Discussion
		Previous year papers Discussion
		Revision
		Class Test
SUNDAY - 11.12.2022		
	December (12-14)	Grammar Practice
15		Grammar Practice
	(12-14)	Full Syllabus Test

LESSON PLAN

SESSION 2022-23 (01.09.2022 to 14.12.2022)

Weekly Lesson Plan

(Odd Semester)

UG (1st Semester)

Name of the Paper:- PC Software

Class: B.Sc. (CS)

Name of the Teachers (Section Wise) : Deepty Juneja

WEEK	DATE	TOPICS
	Contombor	
1	September	Basics of Windows, Windows History
	(6-10)	Basics components of Windows, icons & type of icons
		Taskbar, Activating Windows
		SUNDAY - 11.09.2022
2	September	
_	(12-17)	Desktop,Title Bar,Running Applications
		Windows Explorer, Managing Files & Folder
		Windows Explorer, Managing Files & Folder
		SUNDAY - 18.09.2022
	September	
3	(19-24)	
	(15 1 1)	Configuring System Devices
		Control Panel ,Windows Accessories
HOLID	AY - 23.09.2022	(Shaheedi Divas/ Haryana War Heroes' Martydom Day)
		SUNDAY - 25.09.2022
	HOLIDA	Y - 26.09.2022 (Maharaja Agrasen Jayanti)
	September	
	(27-30)	
4	October	
	(1)	Inroduction to Office Automation
		Creating And Editing Documents, Formatting Documents
	SUNDAY - 02	.10.2022 & Holiday (Mahatma Gandhi Jayanti)
-	October	Auto Tout. Auto connect Coolling, C. Course of Toulo
5	(3-8)	Auto Text ,Autocorrect,Spelling & Grammer Tools
		Document Dictionary, Page Formatting
		Bookmark, Advance Features of MS-Word
HOLIDAY - 05.10.2022 (Dussehra)		
SUNDAY - 09.10.2022 & Holiday (Maharishi Valmiki Jayanti)		

6	October		
	(10-15)	Mail Merge	
	(10 15)	Macro,Tables	
		Assignment I	
		SUNDAY - 16.10.2022	
7	October		
	(17-21)	File Management	
		Printing, Styles	
	l Div	vali Break - 22.10.2022 to 26.10.2022	
		Linking & Embedding Objects	
8	October	Introduction to MS-Excel, Creating & Editing Worksheet	
0	(27-29)	Formatting & Essential Operations	
		SUNDAY - 30.10.2022	
	1	30NDAT - 30.10.2022	
	October		
9	(31)	Formulas, Function	
5	November	Charts	
	(1-5)	Pivot Table & Pivot Chart	
	L		
HOLIDAY - 01.11.2022 (Haryana Day) SUNDAY - 06.11.2022			
		SUNDAT - 00.11.2022	
10	November (7-12)	Conditional Test	
10			
		Linking & Consolidation	
		Database Management using Excel-Sorting,	
	HULIDA	AY - 08.11.2022 (Guru Nanak Dev Jayanti) SUNDAY - 13.11.2022	
	[SUNDAT - 13.11.2022	
	Navashan		
11	November		
	(14-19)	Filtering	
		Table,Validation	
		Goal Seek,Scenario	
		SUNDAY - 20.11.2022	
	<u>.</u> .		
12	November		
	(21-26)	Inroduction of Power Point	
		Creating & Manipulating & Enhancing Slides	
		Organisational Charts	
		SUNDAY - 27.11.2022	

13	November (28-30) December (1-3)	Assignment II Excel Charts Word Art, Layering at Objects
		SUNDAY - 04.12.2022
14	December (5-10)	Class Test Animation And Sound,Inserting Animated Pictures or Accessing through Objects Inserting Recorded Sound Effects or in Built Sound Effects
		SUNDAY - 11.12.2022
15	December (12-14)	

LESSON PLAN

SESSION 2022-23 (01.09.2022 to 14.12.2022)

Weekly Lesson Plan

UG (1st Semester)

(Odd Semester)

Name of the Paper:- Computer Fundamentals

Class: Bsc.(cs)

Name of the Teachers (Section Wise) : Deepty Juneja

WEEK	DATE	TOPICS
	September (6-10)	Computer Fundamentals: Definition,
1		Block Diagram along with its components
		characteristics & classification of computers
	(0-10)	
		SUNDAY - 11.09.2022
		Applications of computers in various fields
		Memory: Concept of primary & secondary memory
2	September	RAM, ROM
-	(12-17)	
		SUNDAY - 18.09.2022
		types of ROM
	September	flash memory
3	(19-24)	Secondary storage devices
	(
HOL	IDAY - 23.09.20	22 (Shaheedi Divas/ Haryana War Heroes' Martydom Day)
		SUNDAY - 25.09.2022
	HOLIE	DAY - 26.09.2022 (Maharaja Agrasen Jayanti)
	September	Secondary storage devices
_	(27-30)	Secondary storage devices
4	October	Sequential & direct access devices
	(1)	
	SUNDAY -	02.10.2022 & Holiday (Mahatma Gandhi Jayanti)
		magnetic tape, magnetic disk
_	October	CD, DVD
5	(3-8)	
HOLIDAY - 05.10.2022 (Dussehra)		
SUNDAY - 09.10.2022 & Holiday (Maharishi Valmiki Jayanti)		

6	October	Computer hardware & software	
		I/O devices, relationship between hardware and software	
		types of software	
	(10-15)		
		SUNDAY - 16.10.2022	
		Operating system: Definition	
	October	functions of operating system	
7	(17-21)	concept of multiprogramming,multitasking	
	. ,		
	<u> </u>		
	L	Diwali Break - 22.10.2022 to 26.10.2022	
	October		
8	(27-29)		
		SUNDAY - 30.10.2022	
		SUNDAT - 50.10.2022	
		concept of multithreading, multiprocessing, time-sharing, real	
	October	time,	
	(31)	Documentation, Techniques of Problem Solving real time	
9	November		
	(1-5)		
	()		
		HOLIDAY - 01.11.2022 (Haryana Day)	
		HOLIDAT - 01.11.2022 (Haryana Day)	
		SUNDAY - 06.11.2022 (Haryana Day)	
	Nevember	SUNDAY - 06.11.2022 single-user & multi-user operating system	
10	November	SUNDAY - 06.11.2022	
10	November (7-12)	SUNDAY - 06.11.2022 single-user & multi-user operating system	
10		SUNDAY - 06.11.2022 single-user & multi-user operating system	
10	(7-12)	SUNDAY - 06.11.2022 single-user & multi-user operating system	
10	(7-12)	SUNDAY - 06.11.2022 single-user & multi-user operating system Concept of problem solving, Problem definition, Flowcharting DAY - 08.11.2022 (Guru Nanak Dev Jayanti) SUNDAY - 13.11.2022	
10	(7-12)	SUNDAY - 06.11.2022 single-user & multi-user operating system Concept of problem solving, Problem definition, Flowcharting DAY - 08.11.2022 (Guru Nanak Dev Jayanti) SUNDAY - 13.11.2022 Algorithms, pseudo code,	
10	(7-12)	SUNDAY - 06.11.2022 single-user & multi-user operating system Concept of problem solving, Problem definition, Flowcharting DAY - 08.11.2022 (Guru Nanak Dev Jayanti) SUNDAY - 13.11.2022 Algorithms, pseudo code, decision table, Structured programming concepts	
	(7-12) HOLI	SUNDAY - 06.11.2022 single-user & multi-user operating system Concept of problem solving, Problem definition, Flowcharting DAY - 08.11.2022 (Guru Nanak Dev Jayanti) SUNDAY - 13.11.2022 Algorithms, pseudo code, decision table, Structured programming concepts Programming methodologies viz. top-down and bottom-up	
10	(7-12) HOLI	SUNDAY - 06.11.2022 single-user & multi-user operating system Concept of problem solving, Problem definition, Flowcharting DAY - 08.11.2022 (Guru Nanak Dev Jayanti) SUNDAY - 13.11.2022 Algorithms, pseudo code, decision table, Structured programming concepts	
	(7-12) HOLI	SUNDAY - 06.11.2022 single-user & multi-user operating system Concept of problem solving, Problem definition, Flowcharting DAY - 08.11.2022 (Guru Nanak Dev Jayanti) SUNDAY - 13.11.2022 Algorithms, pseudo code, decision table, Structured programming concepts Programming methodologies viz. top-down and bottom-up	
	(7-12) HOLI	SUNDAY - 06.11.2022 single-user & multi-user operating system Concept of problem solving, Problem definition, Flowcharting DAY - 08.11.2022 (Guru Nanak Dev Jayanti) SUNDAY - 13.11.2022 Algorithms, pseudo code, decision table, Structured programming concepts Programming methodologies viz. top-down and bottom-up	
	(7-12) HOLI	SUNDAY - 06.11.2022 single-user & multi-user operating system Concept of problem solving, Problem definition, Flowcharting DAY - 08.11.2022 (Guru Nanak Dev Jayanti) SUNDAY - 13.11.2022 Algorithms, pseudo code, decision table, Structured programming concepts Programming methodologies viz. top-down and bottom-up programming	
	(7-12) HOLI	SUNDAY - 06.11.2022 single-user & multi-user operating system Concept of problem solving, Problem definition, Flowcharting DAY - 08.11.2022 (Guru Nanak Dev Jayanti) SUNDAY - 13.11.2022 Algorithms, pseudo code, decision table, Structured programming concepts Programming methodologies viz. top-down and bottom-up programming SUNDAY - 20.11.2022	
	(7-12) HOLI	SUNDAY - 06.11.2022 single-user & multi-user operating system Concept of problem solving, Problem definition, Flowcharting DAY - 08.11.2022 (Guru Nanak Dev Jayanti) SUNDAY - 13.11.2022 Algorithms, pseudo code, decision table, Structured programming concepts Programming methodologies viz. top-down and bottom-up programming SUNDAY - 20.11.2022 Computer Virus,WORMS, Trojan	
	(7-12) HOLI November (14-19)	SUNDAY - 06.11.2022 single-user & multi-user operating system Concept of problem solving, Problem definition, Flowcharting DAY - 08.11.2022 (Guru Nanak Dev Jayanti) SUNDAY - 13.11.2022 Algorithms, pseudo code, decision table, Structured programming concepts Programming methodologies viz. top-down and bottom-up programming SUNDAY - 20.11.2022 Computer Virus,WORMS, Trojan Searching, Sorting, and Merging	
	(7-12) HOLI November (14-19)	SUNDAY - 06.11.2022 single-user & multi-user operating system Concept of problem solving, Problem definition, Flowcharting DAY - 08.11.2022 (Guru Nanak Dev Jayanti) SUNDAY - 13.11.2022 Algorithms, pseudo code, decision table, Structured programming concepts Programming methodologies viz. top-down and bottom-up programming SUNDAY - 20.11.2022 Computer Virus,WORMS, Trojan	
11	(7-12) HOLI November (14-19)	SUNDAY - 06.11.2022 single-user & multi-user operating system Concept of problem solving, Problem definition, Flowcharting DAY - 08.11.2022 (Guru Nanak Dev Jayanti) SUNDAY - 13.11.2022 Algorithms, pseudo code, decision table, Structured programming concepts Programming methodologies viz. top-down and bottom-up programming SUNDAY - 20.11.2022 Computer Virus,WORMS, Trojan Searching, Sorting, and Merging	
11	(7-12) HOLI November (14-19)	SUNDAY - 06.11.2022 single-user & multi-user operating system Concept of problem solving, Problem definition, Flowcharting DAY - 08.11.2022 (Guru Nanak Dev Jayanti) SUNDAY - 13.11.2022 Algorithms, pseudo code, decision table, Structured programming concepts Programming methodologies viz. top-down and bottom-up programming SUNDAY - 20.11.2022 Computer Virus,WORMS, Trojan Searching, Sorting, and Merging	
11	(7-12) HOLI November (14-19)	SUNDAY - 06.11.2022 single-user & multi-user operating system Concept of problem solving, Problem definition, Flowcharting DAY - 08.11.2022 (Guru Nanak Dev Jayanti) SUNDAY - 13.11.2022 Algorithms, pseudo code, decision table, Structured programming concepts Programming methodologies viz. top-down and bottom-up programming SUNDAY - 20.11.2022 Computer Virus,WORMS, Trojan Searching, Sorting, and Merging	

13	November (28-30) December (1-3)	Merging, Design of algorithms for searching Selection Sorting Bubble sort
		SUNDAY - 04.12.2022
14	December (5-10)	Insertion Sorting Computer Languages: Analogy with natural language machine language, assembly language
		SUNDAY - 11.12.2022
15	December (12-14)	high-level language language translators characteristics of a good programming language

LESSON PLAN

SESSION 2022-23 (01.09.2022 to 14.12.2022)

Weekly Lesson Plan

(Odd Semester)

UG (1st Semester)

Class: BSC I

Name of the Paper:- PHYSICAL CHEMISTRY

Name of the Teachers (Section Wise) : DR. VIKRAM KUMAR

WEEK	DATE	TOPICS	
1	September (6-10)	Gaseous States Kinetic Molecular Theory of Gases, Maxwell's distribution of velocities and energies (derivation excluded) Calculation of root mean square velocity	
	_	SUNDAY - 11.09.2022	
2	September (12-17)	Average velocity and most probable velocity. Collision diameter, collision number, collision frequency and mean free path (Derivations excluded)	
		SUNDAY - 18.09.2022	
3	September (19-24)	Deviation of Real gases fro m ideal behavior, Derivation of Van der Waal's Equation of State	
HOLIDA	Y - 23.09.2022	(Shaheedi Divas/ Haryana War Heroes' Martydom Day)	
	SUNDAY - 25.09.2022 (Shaneed Divas) har yana war heroes (Martydoin Day)		
	HOLIDA	Y - 26.09.2022 (Maharaja Agrasen Jayanti)	
4	September (27-30) October (1)	Derivation of Van der Waal's Equation of State(II), its application in the calculation of Boyle's temperature (compression factor)	
	SUNDAY - 02	2.10.2022 & Holiday (Mahatma Gandhi Jayanti)	
5	October (3-8)	Critical Phenomenon Critical temperature, critical pressure, critical volume and their determination. PV isotherms of real gases, continuity of states	
	HOLIDAY - 05.10.2022 (Dussehra)		
SUNDAY - 09.10.2022 & Holiday (Maharishi Valmiki Jayanti)			

6	October (10-15)	The isotherms of Van der Waal's equation, relationship between critical constants and Van der Waal's constants. SUNDAY - 16.10.2022
7	October (17-21)	Critical compressibility factor. The Law of corresponding states.
	Div	vali Break - 22.10.2022 to 26.10.2022
8	October (27-29)	Liquid States Structure of liquids, Properties of liquids – surface tension, refractive index
		SUNDAY - 30.10.2022
9	October (31) November (1-5)	Properties of liquids – viscosity, vapour pressure and optical rotation.
	Н	OLIDAY - 01.11.2022 (Haryana Day)
		SUNDAY - 06.11.2022
10	November (7-12)	Properties of liquids – optical rotation,CLASS TEST
	HOLIDA	AY - 08.11.2022 (Guru Nanak Dev Jayanti)
		SUNDAY - 13.11.2022
11	November (14-19)	Solid State Classification of solids, Law of constancy of interfacial angles, law of rational indices,
		SUNDAY - 20.11.2022
12	November (21-26)	Miller indices, elementary ideas of symmetry and symmetry elements
SUNDAY - 27.11.2022		

13	November (28-30) December (1-3)	Seven crystal systems and fourteen Bravais lattices; X-ray diffraction, Bragg's law	
	SUNDAY - 04.12.2022		
14	December (5-10)	A simple account of Laue method, rotating crystal method and powder pattern method	
	SUNDAY - 11.12.2022		
15	December (12-14)	RIVISION	

I.B. (PG) COLLEGE, PANIPAT LESSON PLAN

SESSION 2022-23 (01.09.2022 to 14.12.2022)

Weekly Lesson Plan

(Odd Semester)

UG (1st Semester)

Class: BSC I

Name of the Paper:- INORGANIC CHEMISTRY

Name of the Teachers (Section Wise) : PROF. ERA GARG

WEEK	DATE	TOPICS
1	September (6-10)	Atomic Structure Idea of de Broglie matter waves, Heinsenberg's uncertainty principle, atomic orbitals, quantum numbers, radial and angular wave functions, normal
		SUNDAY - 11.09.2022
2	September (12-17)	Orthogonal wave functions, significance of Ψ and $\Psi 2$, probability distribution curves, shapes of s, p, d, f orbitals
		SUNDAY - 18.09.2022
3	September (19-24)	Aufbau and Pauli exclusion principles, Hund's multiplicity rules, Electronic configuration of elements
HOLID	AY - 23.09.2022 (Shaheedi Divas/ Haryana War Heroes' Martydom Day)
		SUNDAY - 25.09.2022
	HOLIDAY	- 26.09.2022 (Maharaja Agrasen Jayanti)
4	September (27-30) October (1)	Effective nuclear charge, Slater's rules.
	SUNDAY - 02.1	LO.2022 & Holiday (Mahatma Gandhi Jayanti)
5	October (3-8)	Periodic table and atomic properties Classification of periodic table into s, p, d, f blocks, atomic and ionic radii, ionisation energy, electron affinity and electronegativity definition
HOLIDAY - 05.10.2022 (Dussehra)		
SUNDAY - 09.10.2022 & Holiday (Maharishi Valmiki Jayanti)		

6	(10-15)	Pauling , Mulliken electronegativity scale,		
		SUNDAY - 16.10.2022		
7	October (17-21)	Allred Rachow and Mulliken Jaffe's electronegativity scale, Sanderson's electron density ratio.		
	Diwa	li Break - 22.10.2022 to 26.10.2022		
	October	Covalent Bond		
8	(27-29)	Valence bond theory (Heitler-London and Pauling approach) and its limitation,		
		SUNDAY - 30.10.2022		
		shapes of simple inorganic molecules and ions (BeF2, BF3,		
	October	CH4, PF5, SF6, IF7,		
	(31)	SO4-2, ClO4-1, NO3-1) valence shell electron pair repulsion		
9	November	(VSEPR) theory to NH3, H3O+, SF4, ClF3, H2O, SnCl2, ClO3-		
	(1-5)	1and ICI2-1		
HOLIDAY - 01 11 2022 (Harvana Dav)				
	НО	LIDAY - 01.11.2022 (Haryana Day)		
	НО	LIDAY - 01.11.2022 (Haryana Day) SUNDAY - 06.11.2022		
	НО	SUNDAY - 06.11.2022		
10	HO	SUNDAY - 06.11.2022 Molecular orbital theory of		
10		SUNDAY - 06.11.2022		
10	November (7-12)	SUNDAY - 06.11.2022 Molecular orbital theory of homonuclear (N2, O2) heteronuclear (CO and NO) diatomic molecules and ions,		
10	November (7-12)	SUNDAY - 06.11.2022 Molecular orbital theory of homonuclear (N2, O2) heteronuclear (CO and NO) diatomic molecules and ions, Y - 08.11.2022 (Guru Nanak Dev Jayanti)		
10	November (7-12)	SUNDAY - 06.11.2022 Molecular orbital theory of homonuclear (N2, O2) heteronuclear (CO and NO) diatomic molecules and ions,		
10	November (7-12)	SUNDAY - 06.11.2022 Molecular orbital theory of homonuclear (N2, O2) heteronuclear (CO and NO) diatomic molecules and ions, (- 08.11.2022 (Guru Nanak Dev Jayanti) SUNDAY - 13.11.2022		
	November (7-12)	SUNDAY - 06.11.2022 Molecular orbital theory of homonuclear (N2, O2) heteronuclear (CO and NO) diatomic molecules and ions, Y - 08.11.2022 (Guru Nanak Dev Jayanti) SUNDAY - 13.11.2022 Bond energy, bond angle, bond length and dipole moments,		
10	November (7-12) HOLIDAY	SUNDAY - 06.11.2022 Molecular orbital theory of homonuclear (N2, O2) heteronuclear (CO and NO) diatomic molecules and ions, (- 08.11.2022 (Guru Nanak Dev Jayanti) SUNDAY - 13.11.2022 Bond energy, bond angle, bond length and dipole moments, percentage ionic		
	November (7-12) HOLIDAN	SUNDAY - 06.11.2022 Molecular orbital theory of homonuclear (N2, O2) heteronuclear (CO and NO) diatomic molecules and ions, (- 08.11.2022 (Guru Nanak Dev Jayanti) SUNDAY - 13.11.2022 Bond energy, bond angle, bond length and dipole moments, percentage ionic character from dipole moment and electronegativity		
	November (7-12) HOLIDAN	SUNDAY - 06.11.2022 Molecular orbital theory of homonuclear (N2, O2) heteronuclear (CO and NO) diatomic molecules and ions, 7 - 08.11.2022 (Guru Nanak Dev Jayanti) SUNDAY - 13.11.2022 Bond energy, bond angle, bond length and dipole moments, percentage ionic character from dipole moment and electronegativity difference		
	November (7-12) HOLIDAN	SUNDAY - 06.11.2022 Molecular orbital theory of homonuclear (N2, O2) heteronuclear (CO and NO) diatomic molecules and ions, (- 08.11.2022 (Guru Nanak Dev Jayanti) SUNDAY - 13.11.2022 Bond energy, bond angle, bond length and dipole moments, percentage ionic character from dipole moment and electronegativity		
	November (7-12) HOLIDAY November (14-19)	SUNDAY - 06.11.2022 Molecular orbital theory of homonuclear (N2, O2) heteronuclear (CO and NO) diatomic molecules and ions, ' - 08.11.2022 (Guru Nanak Dev Jayanti) SUNDAY - 13.11.2022 Bond energy, bond angle, bond length and dipole moments, percentage ionic character from dipole moment and electronegativity difference SUNDAY - 20.11.2022		
	November (7-12) HOLIDAN November (14-19) November	SUNDAY - 06.11.2022 Molecular orbital theory of homonuclear (N2, O2) heteronuclear (CO and NO) diatomic molecules and ions, / - 08.11.2022 (Guru Nanak Dev Jayanti) SUNDAY - 13.11.2022 Bond energy, bond angle, bond length and dipole moments, percentage ionic character from dipole moment and electronegativity difference SUNDAY - 20.11.2022		
11	November (7-12) HOLIDAY November (14-19)	SUNDAY - 06.11.2022 Molecular orbital theory of homonuclear (N2, O2) heteronuclear (CO and NO) diatomic molecules and ions, ' - 08.11.2022 (Guru Nanak Dev Jayanti) SUNDAY - 13.11.2022 Bond energy, bond angle, bond length and dipole moments, percentage ionic character from dipole moment and electronegativity difference SUNDAY - 20.11.2022		
11	November (7-12) HOLIDAN November (14-19) November	SUNDAY - 06.11.2022 Molecular orbital theory of homonuclear (N2, O2) heteronuclear (CO and NO) diatomic molecules and ions, / - 08.11.2022 (Guru Nanak Dev Jayanti) SUNDAY - 13.11.2022 Bond energy, bond angle, bond length and dipole moments, percentage ionic character from dipole moment and electronegativity difference SUNDAY - 20.11.2022		

13	November (28-30) December (1-3)	Size effects, radius ratio rule and its limitations, Madelung constant, Stoichiometric and Non stoichiometric ,Defects in crystals	
		SUNDAY - 04.12.2022	
14	December (5-10)	Lattice energy (mathematical derivation excluded) and Born Haber cycle, Solvation energy and its relation with solubility of Ionic solids,	
	SUNDAY - 11.12.2022		
15	December (12-14)	Polarizing power and Polarisability of ions, Fajan's rule.	

LESSON PLAN

SESSION 2022-23 (01.09.2022 to 14.12.2022)

Weekly Lesson Plan

(Odd Semester)

UG (1st Semester)

Class: BSC I

Name of the Paper:- ORGANIC CHEMISTRY

Class. E

Name of the Teachers (Section Wise) : PROF RANJANA SHARMA

WEEK	DATE	TOPICS
1	September (6-10)	Structure and Bonding Localized and delocalized chemical bond, Van der Waal's interactions, resonance: conditions
		SUNDAY - 11.09.2022
2	September (12-17)	Resonance effect and its applications, hyperconjugation, inductive effect, Electromeric effect & their comparison.
		SUNDAY - 18.09.2022
3	September (19-24)	Stereochemistry of Organic Compounds Concept of isomerism. Types of isomerism. Optical isomerism • elements of symmetry, molecular chirality, enantiomers, stereogenic centre, optical activity
HOLID	AY - 23.09.2022 (Shaheedi Divas/ Haryana War Heroes' Martydom Day)
		SUNDAY - 25.09.2022
	HOLIDAY	- 26.09.2022 (Maharaja Agrasen Jayanti)
4	September (27-30) October (1)	Properties of enantiomers, chiral and achiral molecules with two stereogenic centres, diastereomers, threo and erythro diastereomers, meso compounds, resolution of enantiomers
	SUNDAY - 02.1	10.2022 & Holiday (Mahatma Gandhi Jayanti)
5	October (3-8)	Inversion, retention and racemization. Relative and absolute configuration, sequence rules, R & S systems of nomenclature.
HOLIDAY - 05.10.2022 (Dussehra)		
SUNDAY - 09.10.2022 & Holiday (Maharishi Valmiki Jayanti)		

6	October (10-15)	Geometric isomerism determination of configuration of geometric isomers. E & Z system of nomenclature, Conformational isomerism,Conformational analysis of ethane and n-butane SUNDAY - 16.10.2022	
		SUNDAY - 16.10.2022	
7	October (17-21)	Conformations of cyclohexane, axial and equatorial bonds. Newman projection and Sawhorse formulae, Difference between configuration and conformation.	
	Diwa	li Break - 22.10.2022 to 26.10.2022	
8	October (27-29)	Mechanism of Organic Reactions Curved arrow notation, drawing electron movements with arrows, half-headed and	
	r	SUNDAY - 30.10.2022	
9	October (31) November (1-5)	Types of reagents – electrophiles and nucleophiles. Types of organic reactions.	
	НО	LIDAY - 01.11.2022 (Haryana Day)	
		SUNDAY - 06.11.2022	
10	November (7-12)	Reactive intermediates: carbocations, carbanions, free radicals, carbenes,(formation, structure & stability)	
	HOLIDAY	' - 08.11.2022 (Guru Nanak Dev Jayanti)	
	-	SUNDAY - 13.11.2022	
11	November (14-19)	Alkanes and Cycloalkanes IUPAC nomenclature of branched and unbranched alkanes, classification of carbon atoms in alkanes. Isomerism in alkanes, sources	
	SUNDAY - 20.11.2022		
12	November (21-26)	Methods of formation: Wurtz reaction, Kolbe reaction, Corey-House reaction and decarboxylation of carboxylic acids, physical properties.	
SUNDAY - 27.11.2022			

13	November (28-30) December (1-3)	Mechanism of free radical halogenation of alkanes: reactivity and selectivity.Cycloalkanes nomenclature, synthesis of cycloalkanes and their derivatives – photochemical (2+2) cycloaddition reactions	
	SUNDAY - 04.12.2022		
14	December (5-10)	Dehalogenation of dihalides, , pyrolysis of calcium or barium salts of dicarboxylic acids,	
	SUNDAY - 11.12.2022		
15	December (12-14)	Baeyer's strain theory and its limitations., theory of strainless rings.	

LESSON PLAN

SESSION 2022-23 (01.09.2022 to 14.12.2022)

Weekly Lesson Plan

(Odd Semester)

UG (1st Semester)

Name of the Paper:- Cell Biology (Paper -2)

Class: B.Sc. Medical

Name of the Teachers (Section Wise) : KIRAN BHATIA

WEEK	DATE	TOPICS	
1	September (6-10)	The Cell Envelopes: Structure and functions of Cell Wall The Cell Envelopes: Structure and functions of Cell Wall The Cell Envelopes: Structure and functions of Cell Wall	
	<u> </u>	SUNDAY - 11.09.2022	
2	September (12-17)	Plasma Membrane Plasma Membrane Plasma Membrane	
	<u> </u>	SUNDAY - 18.09.2022	
3	September (19-24)	Ultrastructure and function of nucleus Ultrastructure and function of nucleus	
HOLIDA	AY - 23.09.202	2 (Shaheedi Divas/ Haryana War Heroes' Martydom Day)	
		SUNDAY - 25.09.2022	
	HOLID	AY - 26.09.2022 (Maharaja Agrasen Jayanti)	
4	September (27-30) October (1)	Ultrastructure and function of nucleus Ultrastructure and function of nucleus Test	
	SUNDAY - C	2.10.2022 & Holiday (Mahatma Gandhi Jayanti)	
5	October (3-8)	Golgi Apparatus Golgi Apparatus Golgi Apparatus	
HOLIDAY - 05.10.2022 (Dussehra)			
	SUNDAY - 09.10.2022 & Holiday (Maharishi Valmiki Jayanti)		

6	October		
O	(10-15)	Endoplasmic Reticulum	
		Endoplasmic Reticulum	
		Endoplasmic Reticulum	
	•	SUNDAY - 16.10.2022	
	October		
7	(17-21)		
		ASSIGNMENT	
		Golgi Apparatus	
	D	iwali Break - 22.10.2022 to 26.10.2022	
	October	TEST	
8	(27-29)	Chloroplast	
		Chloroplast SUNDAY - 30.10.2022	
		SUNDAT - SU.1U.2U22	
	October		
9	(31)	Chloroplast	
5	November	Mitochondria	
	(1-5)	Mitochondria	
	I	HOLIDAY - 01.11.2022 (Haryana Day)	
		SUNDAY - 06.11.2022	
	November		
10		Lysosomes	
	(7-12)	Peroxisomes	
		Vacuoles	
	HOLIE	DAY - 08.11.2022 (Guru Nanak Dev Jayanti)	
SUNDAY - 13.11.2022			
11	November		
	(14-19)	Cell Division: Mitosis and Meiosis.	
		Cell Division: Mitosis and Meiosis.	
		Cell Division: Mitosis and Meiosis.	
		SUNDAY - 20.11.2022	
12			
	November (21-26)	Chromosome: Morphology, organization, ultrastructure of	
		Centromere and Telomere	
		Chromosome: Morphology, organization, ultrastructure of	
		Centromere and Telomere	
		Test	
		SUNDAY - 27.11.2022	

	November	
	(28-30)	Chromosomal alterations- deletions, duplications,
13		translocations, inversions
	December	Chromosomal alterations- deletions, duplications,
	(1-	translocations, inversions
	3)	Chromosomal alterations- deletions, duplications,
		translocations, inversions
		SUNDAY - 04.12.2022
14	December	Variations in chromosome number aneuploidy and
	(5-10)	polyploidy
		Variations in chromosome number aneuploidy and polyploidy
		Sex chromosomes and sex determination
SUNDAY - 11.12.2022		SUNDAY - 11.12.2022
	December	
15	(12-14)	

LESSON PLAN

SESSION 2022-23 (01.09.2022 to 14.12.2022)

Weekly Lesson Plan

(Odd Semester)

UG (1st Semester)

Name of the Paper:- Diversity of Microbes

Class: B.Sc.

Name of the Teachers (Section Wise) : Rajni

WEEK	DATE	TOPICS
	Cantanhan	Introduction to algae
		Introduction to algae
1	September	
	(6-10)	
		SUNDAY - 11.09.2022
		Economic importance of algae
		Classification of Algae
2	September	Classification of Algae
2	(12-17)	
		SUNDAY - 18.09.2022
		Volvox structure and Reproduction
	September	Volvox structure and Reproduction
3	(19-24)	Oedogonium structure and Reproduction
	(=====;	
HOLIDAY	/ - 23.09.2022 (Sł	naheedi Divas/ Haryana War Heroes' Martydom Day)
		SUNDAY - 25.09.2022
	HOLIDAY -	26.09.2022 (Maharaja Agrasen Jayanti)
	September	Oedogonium structure and Reproduction
_	(27-30)	Oedogonium structure and Reproduction
4	October	
	(1)	
	SUNDAY - 02.10	0.2022 & Holiday (Mahatma Gandhi Jayanti)
		Vaucheria structure and Reproduction
5	October	Vaucheria structure and Reproduction
	(3-8)	Ectocarpus structure and Reproduction
HOLIDAY - 05.10.2022 (Dussehra)		
SUNDAY - 09.10.2022 & Holiday (Maharishi Valmiki Jayanti)		

		Ectocarpus structure and Reproduction	
		Polysiphonia structure and Reproduction	
6	October	Polysiphonia structure and Reproduction	
	(10-15)		
		SUNDAY - 16.10.2022	
		Polysiphonia structure and Reproduction	
	October	Bacteria structure and Reproduction	
7	(17-21)	Bacteria structure and Reproduction	
	(<i>)</i>		
	Diwal	i Break - 22.10.2022 to 26.10.2022	
_	October		
8	(27-29)		
	. ,		
		SUNDAY - 30.10.2022	
	October	Cyanobacteria structure and Reproduction	
	(31)	Cyanobacteria structure and Reproduction	
9	November		
	(1-5)		
	HUL	IDAY - 01.11.2022 (Haryana Day)	
	SUNDAY - 06.11.2022		
		Introduction to virus	
10	November	Class test, assignment	
10	(7-12)		
		- 08.11.2022 (Guru Nanak Dev Jayanti)	
	HOLIDAT	SUNDAY - 13.11.2022	
		Introduction to fungi	
		Introduction to fungi	
	November	Phtophthora structure and Reproduction	
11	(14-19)		
	(14-13)		
		SUNDAY - 20.11.2022	
		Mucor structure and Reproduction	
		Penicillium structure and Reproduction	
12	November	Penicillium structure ans Reproduction	
	(21-26)		
	(21-20)		
		SUNDAY - 27.11.2022	
		JUNDAT - 27.11.2022	

		Colletotrichum structure and reproduction	
	November	Agaricus structure and Reproduction	
12	(28-30)	Agaricus structure and Reproduction	
13	December		
	(1-3)		
		SUNDAY - 04.12.2022	
		Puccinia structure and Reproduction	
		Puccinia structure and Reproduction	
14	December	Puccinia structure and Reproduction	
14	(5-10)		
	SUNDAY - 11.12.2022		
	December	Lichens Structure And Reproduction	
15		Lichens Structure And Reproduction	
	(12-14)	Revision	

LESSON PLAN

SESSION 2022-23 (01.09.2022 to 14.12.2022)

Weekly Lesson Plan

(Odd Semester)

Class: B.Sc.

UG (1st Semester)

Name of the Paper:Introduction to Biotechnology Paper:I

Name of the Teachers (Section Wise) : Anjushree Sarawal

WEEK	DATE	TOPICS
	Contombor	
1	September	Definition and scope of Biotechnology
	(6-10)	Definition and scope of Biotechnology
		SUNDAY - 11.09.2022
		Definition and scope of Biotechnology
2	September	
-	(12-17)	
		Definition and scope of Biotechnology
		Introduction of Genetic Engineering
	-	SUNDAY - 18.09.2022
		Plant tissue Culture
	September	
3	(19-24)	
		Plant tissue Culture
HOLID	AY - 23.09.2022	(Shaheedi Divas/ Haryana War Heroes' Martydom Day)
		SUNDAY - 25.09.2022
	HOLIDA	r - 26.09.2022 (Maharaja Agrasen Jayanti)
	September	
4	(27-30)	
4	October	Plant tissue Culture
	(1)	Plant tissue Culture
	SUNDAY - 02	
	SUNDAY - 02.10.2022 & Holiday (Mahatma Gandhi Jayanti) Biotechnology in context of Developing world	
5		
	October	
	(3-8)	
HOLIDAY - 05.10.2022 (Dussehra)		
SUNDAY - 09.10.2022 & Holiday (Maharishi Valmiki Jayanti)		

		Animal tissue Culture
	October	
6		
	(10-15)	Arimal tique Culture
		Animal tissue Culture
		Animal tissue Culture
		SUNDAY - 16.10.2022 Animal tissue Culture
-	October	
7	(17-21)	En este de la companya de la company
		Fermentation Technology
		Fermentation Technology
	Diw	vali Break - 22.10.2022 to 26.10.2022
	October	Fermentation Technology
8	(27-29)	Fermentation Technology
	T	SUNDAY - 30.10.2022
	October	Immobilized enzymes
	(31)	
9	November	
	(1-5)	Immobilized enzymes
		Immobilized enzymes
	H	OLIDAY - 01.11.2022 (Haryana Day)
	T	SUNDAY - 06.11.2022
		Monoclonal antibodies
	November	
10	(7-12)	
		Embryo transfer technology
		Introduction to gene& genomes
	HOLIDA	Y - 08.11.2022 (Guru Nanak Dev Jayanti)
	1	SUNDAY - 13.11.2022
		Introduction to gene& genomes
11	November	
	(14-19)	
		Proteins and proteome
		Intellectual Property rights
	1	SUNDAY - 20.11.2022
		Proteins and proteome
	l	
12	November	
	(21-26)	
		Genetic manipulations
		Genetic manipulations
		SUNDAY - 27.11.2022

		Genetic manipulations	
	November		
13	(28-30)		
15	December		
	(1-3)	Biotechnology research in India	
		Assignments	
		SUNDAY - 04.12.2022	
		DNA Fingerprinting and Forensic Analysis	
14	December		
14	(5-10)		
		Application of biotechnology	
		Application of biotechnology	
	SUNDAY - 11.12.2022		
	December	Bioremediation	
15	(12-14)	Ethics in Biotechnology	
	(12-14)		

LESSON PLAN

SESSION 2022-23 (01.09.2022 to 14.12.2022)

Weekly Lesson Plan

(Odd Semester)

UG (1st Semester)

Name of the Paper:- Biochemistry I

Class: B.Sc. Biotech.

Name of the Teachers (Section Wise) : BHAWNA MALIK

WEEK	DATE	TOPICS				
1	September (6-10)	Carbohydrates intro				
		Carbohydrates structure				
	SUNDAY - 11.09.2022					
2	September (12-17)	Carbohydrates functions				
		Carbohydrates monosaccharides				
		Carbohydrates monosaccharides				
SUNDAY - 18.09.2022						
		Carbohydrates diasaccharides Carbohydrates diasaccharides				
3	September (19-24)	revision test				
5						
HOL	DAY - 23.09.2	022 (Shaheedi Divas/ Haryana War Heroes' Martydom Day)				
		SUNDAY - 25.09.2022				
	HOL	IDAY - 26.09.2022 (Maharaja Agrasen Jayanti)				
	September (27-30)	Carbohydrates polysaccharides				
		Carbohydrates polysaccharides				
4	October					
	(1)					
	SUNDAY	- 02.10.2022 & Holiday (Mahatma Gandhi Jayanti)				
	October (3-8)	Carbohydrates mucopolysaccharide				
5		Bacterial cell wall polysaccharide				
		revision test				
	/					
HOLIDAY - 05.10.2022 (Dussehra)						
SUNDAY - 09.10.2022 & Holiday (Maharishi Valmiki Jayanti)						

		Glycoproteins and their functions		
		Glycoproteins and their functions		
6	October	revision test		
	(10-15)			
		SUNDAY - 16.10.2022		
	1			
		Lipids structure and functions		
_	October	Lipids classification		
7	(17-21)	Lipid nomenclature		
Diwali Break - 22.10.2022 to 26.10.2022				
	October			
8				
	(27-29)			
SUNDAY - 30.10.2022				
	October	Properties of fatty acids		
		Essential fatty acids and Phospholipids		
9	(31) November	revision test		
	(1-5)			
	•	HOLIDAY - 01.11.2022 (Haryana Day)		
		SUNDAY - 06.11.2022		
		Sphingolipids, Glycolipids, Gangliosides		
	November	Prostaglandins and cholesterol		
10		revision test		
	(7-12)			
HOLIDAY - 08.11.2022 (Guru Nanak Dev Jayanti)				
		SUNDAY - 13.11.2022		
		Amino acids and proteins structure and functions		
		Properties of amino acids, Types of proteins and classification		
	November	Forces stablising protein structure		
11	(14-19)			
	T	SUNDAY - 20.11.2022		
	November (21-26)	Different level of structural organisation of protein		
		Protein purification, denaturation and renaturation		
12		Fibrous and globular proteins		
SUNDAY - 27.11.2022				

13		Nucleic acid sturcture and funtion		
	November	Properties of nuclic acids, nucleosides and nucleotides		
	(28-30)	Purines and pyrimidines		
	December			
	(1-3)			
SUNDAY - 04.12.2022				
14		Biologically important nucleotides, double helical model of DNA		
		Dorces responsible for A,B and Z DNA		
	December	Denaturtion and renaturation of DNA		
	(5-10)			
SUNDAY - 11.12.2022				
15	December (12-14)	revision test		
		revision test		
		class test		