I – Academic Planner

A. Teaching Plan (Year : 2021-2022 , Semester: Odd (I, III, V))

Teacher's Name: Dr. Archana Singh Department: Botany

S. No.	UPC	Paper Name	Core/AECC/GE/SEC	Topic/Unit	Start Date	End Date
1	32161501	Reproductive Biology of Angiosperms (THEORY)	Core	Unit 2: Anther (Microsporogenesis, Callose deposition) Unit 3:Pollen Biology (Microgametogenesis, Male Germ Unit and Pollen wall, Pollen morphology, Palynology and its scope, Pollen sculpture and rare features of pollen, NPC and Scope of Palynology , Pollen germination, Pollen Viability and storage) Unit 4: Ovule (Structure and Types, Special features of ovule, Megasporogenesis, Megagametogenesis, Mature embryo sac , Ultrastructure of Egg, synergids,antipodal, central cell, Types of embryo sac and FGU) Test and revision Unit 7: Endosperm (Structure and Function, Endosperm Development, Types of Endosperm ,	28 July 2021 11 Aug 2021 8 Sep 2021 13 Oct 2021 27 Oct 2021	4 Aug 2021 1 Sep 2021 6 Oct 2021 13 Oct 2021 27 Oct 2021

				Endosperm Structure and Function) Unit 10: Polyembryony (Polyembryony classification, Causes of Polyembryony, Application of Polyembryony, Apomixis, Causes of Apomixis) Revision	10 Nov 2021 13 Nov 2021	10 Nov 2021 13 Nov 2021
2	32161501	Reproductive Biology of Angiosperms (PRACTICAL)	Core	Exp 1: Anther Exp 2: Ovule Types Exp 3: MGU, Exp 4:Pollen Wall structure, Exp 5: Special structure of pollen Exp 6: Special features of Ovule Exp 7: Pollen sculpturing pattern and aperture types Exp 8: Seed dispersal mechanism Exp 9: Female gametophyte Exp 10: Mature egg apparatus Exp 11: Suspensor Exp 12: Intra ovarian and In Vivo Pollination Exp 13: Development of embryo Exp 14: Hanging drop method of pollen germination Exp 15: TTC test of pollen Exp 16: Dissection of embryo Exp17: Dissection of endosperm Revision and Mock Test	26 July 2021 2 Aug 2021 9 Aug 2021 16 Aug 2021 23 Aug 2021 6 Sep 2021 13 Sep 2021 20 Sep 2021 4 Oct 2021 25 Oct 2021 1 Nov 2021 8 Nov 2021 15 Nov 2021 22 Nov 2021	26 July 2021 2 Aug 2021 9 Aug 2021 16 Aug 2021 23 Aug 2021 6 Sep 2021 13 Sep 2021 20 Sep 2021 4 Oct 2021 25 Oct 2021 1 Nov 2021 8 Nov 2021 15 Nov 2021 22 Nov 2021
3	42167902	Cell and Molecular Biology (THEORY)	DSE	Unit 2: Cell as a unit of Life Unit 3: Cell Organelles • Nucleus Structure and Function, Nuclear	22 July 2021 29 July 2021 5 Aug 2021	22 July 2021 29 July 2021 5 Aug 2021

				Pore Complex and DNA packaging in eukaryotes, Nucleus Structure and Function, Nucleolus and Ribosome • Mitochondria structure and function • Chloroplast structure and function • ER structure and function • Golgi apparatus and structure and function • Lysosomes : structure and function • Peroxisomes and glyoxisomes Unit 4: Cell Memberane and Cell Wall Unit 5: Overview of Cell cycle, Mitosis and Meiosis; Molecular controls.	12 Aug 2021 19 Aug 2021 26 Aug 2021 2 Sep 2021 23 Sep 2021 30 Sep 2021 28 Oct 2021	12 Aug 2021 19 Aug 2021 26 Aug 2021 2 Sep 2021 23 Sep 2021 7 Oct 2021 11 Nov 2021
4	42167902	Cell and Molecular Biology (PRACTICAL)	DSE	Exp 1: Study of prokaryotic cell and eukaryotic cell Exp 2 : Study of plant cell Exp 3: Mitosis Exp 4: Study of cell organelles (Nucleus, Mitochondria, Choloroplast, Golgi apparatus) Exp 5 & 6: Effect of organic solvent & temperature on semi permeability nature of membrane Exp 7: Preparation of karyotype and ideogram Exp 8 & 9: Study of striated muscle fiber and squamous epithelial cell Exp 10: Demonstration of Plasmolysis Exp 11: :Demonstration of Dialysis Exp 12: Meiosis Exp 13: Measurement of cell size using	30 July 2021 6 Aug 2021 13 Aug 2021 27 Aug 2021 3 Sep 2021 10 Sep 2021 17 Sep 2021 24 Sep 2021 1 Oct 2021 5 Oct 2021	30 July 2021 6 Aug 2021 13 Aug 2021 27 Aug 2021 3 Sep 2021 10 Sep 2021 17 Sep 2021 24 Sep 2021 1 Oct 2021 5 Oct 2021

				micrometry Exp 14 & 15: Study of NPC, special chromosome and DNA packaging Practical Revision Practical Mock Test	25 Oct 2021 12 Nov 2021	25 Oct 2021 12 Nov 2021
5	32161102	Biomolecules and Cell Biology (THEORY)	Core	Unit 4: The Cell (Cell as a unit of structure and function; Characteristics of prokaryotic and eukaryotic cells; Origin ofeukaryotic cell (Endosymbiotic theory) . Unit 6:Cell Organelles Cytoskeleton Nucleus: Structure and Function, Nuclear Pore Complex and DNA packaging in eukaryotes, Nucleolus) Mitochondria structure and function Chloroplast structure and function Peroxisomes and glyoxisomes ER structure and function Golgi apparatus and structure and function Lysosomes : structure and function, Unit 5: Cell wall and plasma membrane Unit 7: Cell cycle and its regulation Mitosis and Meiosis	27 Nov 2021 (Every Thursday at 10.40am to 12.40 pm) 4 Dec 2021 11 Dec 2021 18 Dec 2021 28 Dec 2021 1 Jan 2022 13 Jan 2022 20 Jan 2022 27 Jan 2022 3 Jan 2022 10 Feb 2022 17 Feb 2022	27 Nov 2021 4 Dec 2021 11 Dec 2021 18 Dec 2021 28 Dec 2021 1 Jan 2022 13 Jan 2022 20 Jan 2022 27 Jan 2022 3 Jan 2022 10 Feb 2022 10 March 2022
6	32161102	Biomolecules and Cell	Core	Exp 1. Study of plant cell structure with the help of epidermal peel mount of	29 Dec 2021	14-02-2022 (Every Monday at 8.40am-

		Biology (PRACTICAL)		Onion/Rhoeo/Crinum. Exp 2. Study the phenomenon of plasmolysis and deplasmolysis. Exp 3. Demonstration of the phenomenon of protoplasmic streaming in Hydrilla leaf. Exp 4. Study different stages of mitosis. Exp 5. Separate chloroplast pigments by paper chromatography. Exp 6. Qualitative tests for carbohydrates, reducing sugars, non-reducing sugars, lipids and proteins. Exp 8. Study the effect of organic solvent and temperature on membrane permeability. Exp 9. Demonstrate the activity of Urease Exp 10. Demonstration of the activity of Catalase Exp 11. Demonstrate the activity of Amylase Exp 7. Study of cell and its organelles with the help of electron micrographs.	6 Dec 2021 13 Dec 2021 20 Dec 2021 27 Dec 2021 3 Jan 2022 10 Jan 2022 17 Jan 2022 24 Jan 2022 31 Jan 2022 7 Feb 2022	12.40pm) 6 Dec 2021 13 Dec 2021 20 Dec 2021 27 Dec 2021 3 Jan 2022 10 Jan 2022 17 Jan 2022 24 Jan 2022 31 Jan 2022 14 Feb 2022

I – Academic Planner

B. Teaching Plan (Year : 2021-2022, Semester: Even (II, IV, VI))

Teacher's Name: Dr. Archana Singh Department: Botany

S. No.	UPC	Paper Name	Core/AECC/GE/SEC	Topic/Unit	Start Date	End Date
1	32167601	Industrial & Environment Microbiology (THEORY)	DSE	Unit 1 : Scope of microbes in Industry & environment Unit 2: Bioreactors/Fermenters and fermentation processes ,Solid state and liquid state fermentations, Fermenters and typical components of bioreactor, Batch and continous fermentation, Fermenters types –constantly stirred tank fermenter, Tower Fermenters , Fixed bed and Fluidized bed Fermenters Air Lift fermenter Unit 3 : Microbial production of industrial products Microorganisms involved, microorganisms generally regarded as safe (GRAS), media, fermentation conditions, downstream processing and uses; Filtration, centrifugation, cell disruption, solvent extraction, precipitation and ultrafiltration, lyophilization, spray drying	7 January 2022 (Every Friday at 9.40am to 11.40 am)	22 April 2022
1	32167601	Industrial and Environment Microbiology (DSE paper)	DSE	Exp 1: Principle and functioning of instruments in microbiology Exp 2: Preparation of media (PDA and CDA) Exp 3: Study of VAM from root	6 January 2022 (Every Thursday at	28 April 2022

		(PRACTICAL)		Exp 4: Serial dilution method for isolation of microbes from water and soil and study of aeromicroflora Exp 5: Hydrolysis of casein / starch Exp 6: Study of Coliform bacteria from water sample using methylene blue medium Exp 7: Alcohol production by yeast Exp 8: Determination of BOD, COD, TDS and TOC of water samples	12.40 to 4.40 pm)	
2	32161402	Ecology (THEORY)	Core	Unit 1: Introduction :Brief History, Basic concepts, Levels of organization, Interrelationships between the living world and the environment, the components and dynamism, homeostasis (with reference to Ecosystem) Unit 2: Soil :Importance; Origin; Formation; Composition: Physical, Chemical and Biological components; Soil profile; Role of climate in soil development. Unit 3: Water :Importance; States of water in the environment; Atmospheric moisture; Precipitation types (rain, fog, snow, hail, dew); Hydrological Cycle; Water in soil; Water table Unit 2: Soil profile Unit 4: Light, Temperature, Wind and Fire Variations; adaptations of plants to their variation. Unit 7: Plant Communities: Concept of ecological amplitude; Habitat (types) and Ecological niche	8 January 2022 (Every Saturday at 9.40 to 11.40 am)	23 April 2022

				(types); Community characters (analytical and synthetic); Ecotone and edge effect; Methods to studying vegetation; Dynamics of communities; Succession: processes, types (Lithosere, Hydrosere); climax concepts.		
2	32161402	Ecology (PRACTICAL)	Core	Exp. 1. Study of instruments used to measure microclimatic variables.. Exp. 2. Determination of pH of various soil and water samples Exp. 3. Analysis for carbonates, chlorides, nitrates, sulphates, organic matter and base deficiency from two soil samples by rapid field tests. Exp 4. Determination of organic matter of different soil samples by Walkley & Black rapid titration method. Exp 5. Comparison of bulk density, porosity and rate of infiltration of water in soils of three habitats. Exp. 6. Determination of dissolved oxygen of water samples from polluted and unpolluted sources. Exp. 7 (a). Study of morphological adaptations of hydrophytes and xerophytes . Exp. 7(b). Study of biotic interactions Exp. 8. Determination of minimal quadrat size for the study of herbaceous vegetation. Exp. 9. Quantitative analysis of herbaceous vegetation in the college campus for frequency and comparison with Raunkiaer's frequency distribution law.	4 January 2022 (Every Tuesday at 8.40am to 12.40 pm)	26 April 2022

				Exp. 10. Quantitative analysis of herbaceous vegetation for density and abundance in the college campus		
3	32161202	Archegoniatae (THEORY)	Core	Unit 1: Unifying features of archegoniates Unit 1: General features of Bryophytes, pteridophytes and gymnosperms Unit 4: Morphology, anatomy of *Cycas* Unit 4: Reproduction of Cycas Unit 4: Morphology, anatomy of *Pinus* Unit 4: Reproduction in *Pinus* Unit 4: Economic importance of *Cycas* and *Pinus* Unit 4: Similarity and dissimilarity between gymnosperms and other groups Unit 3: *Equisetum*- morphology and anatomy Unit 4: *Gnetum*- morphology and anatomy Unit 3: *Equisetum*- reproduction Unit 3: Telome Theory, *Rhynia* and *Cooksonia* Unit 4: *Gnetum* Reproduction Unit 4: *Sellaginella* Unit 3: *Pteris* Unit 4: Similarity between *Gnetum* and other genera Revision- Bryophytes, Gymnosperms and Pteridophytes	7 April 2022 (Every Thursday at 10.40 to 12.40 pm)	25 July 2022
3	32161202	Archegoniatae (PRACTICAL)	Core	1. *Riccia* – Morphology of thallus. 2. *Marchantia*- Morphology of thallus, whole mount of rhizoids & Scales, vertical section of thallus through Gemma cup, whole mount of Gemmae (all temporary slides), vertical section of Antheridiophore, Archegoniophore, longitudinal section of Sporophyte (all permanent slides). 3. *Anthoceros*- Morphology of thallus, dissection of sporophyte (to show stomata,	11 April 2022 (Every Monday at 8.40am to 12.40 pm)	25 July 2022

				spores,pseudoelaters, columella) (temporary slide), vertical section of thallus (permanent slide). 4. *Pellia*, *Porella*- Permanent slides. 5. *Sphagnum*- Morphology of plant, whole mount of leaf (permanent slide only). 6. *Funaria*- Morphology, whole mount of leaf, rhizoids, operculum, peristome, annulus,spores (temporary slides); permanent slides showing antheridial and archegonial heads, longitudinal section of capsule and protonema. 7. *Psilotum*- Study of specimen, transverse section of synangium (permanent slide). 8. *Selaginella*- Morphology, whole mount of leaf with ligule, transverse section of stem,whole mount of strobilus, whole mount of microsporophyll and megasporophyll (temporary slides), longitudinal section of strobilus (permanent slide).		

C. Outstation /Local trips

Field Visit for B.Sc Botany (Hons) 3rd year students to Haryana Agro Industries Corporation, Murthal on 22 March, 2022.

D. FDP/Seminar/Workshops/Lectures to be attended and/or to be conducted by Teachers

Event Topic	**Ecological entrepreneurship for transforming adversity into prosperity and designing the new earth**				
Type / Nature (FDP/Webinar/Workshop etc.)	**Webinar**				
Organizing In-charge	Prof. Rajni Gupta, Kirori Mal College				
Details regarding invited Resource Person	PROF RADHEY SHYAM SHARMA (Dept. Of Environmental Studies, Laboratory of Bioresources and environmental biotechnology , University of Delhi)				
Nature of Participation (e.g. Invited Speaker, Participant etc.)	Participant				
Date/s	5th June , 2021	**Timing/s**	3 to 5 pm	**Mode**	Lecture

Event Topic	**Understanding Mucormycosis and its relevance during COIVD-19**
Type / Nature (FDP/Webinar/Workshop etc.)	Webinar
Organizing In-charge	Prof. Rajni Gupta, Kirori Mal College
Details regarding invited Resource Person	PROF. RUPAM KAPOOR (Department of Botany , University of Delhi)
Nature of Participation (e.g. Invited	Participant

Speaker, Participant etc.)					
Date/s	June 22, 2021	**Timing/s**	3.00pm to 5.00 pm	**Mode**	Online Lecture

Event Topic		**"Ethnobotany to domestication in tribal dominated tracts of agribiodiversity in India"**			
Type / Nature (FDP/Webinar/Workshop etc.)		Webinar			
Organizing In-charge		Prof. Anita. K.Verma			
Details regarding invited Resource Person		Dr. Anjula Pandey (Principal Scientist, ICAR, NBPGR).			
Nature of Participation (e.g. Invited Speaker, Participant etc.)		Participant			
Date/s	17th September,2021	**Timing/s**	3.00pm to 5.00 pm	**Mode**	Online Lecture

Event Topic	**Nanomedicine: Biomolecules for Human Health (NBHH-2021)"-Small Molecules Big Oppurtunties**
Type / Nature (FDP/Webinar/Workshop etc.)	**Two-Day International Conference**
Organizing In-charge	Prof. Anita Kamra and Dr. Renu Kathpalia, Kirori Mal College
Details regarding invited Resource Person	**Day 1: Prof. Sunil Krishnan**, Mayo Clinic, Florida, USA, **Prof. V. S. Chauhan**, Arturo Falaschi Emeritus Scientist, ICGEB, Dr. A.K. Mishra, DG, INMAS, Delhi, **Dr. A.K. Panda**, Former director, National Institute of Immunology, **Prof. N.G. Sahoo**, Department of Chemistry, Kumaon University, **Dr Neetu Singh**, IIT, Delhi **Day 2: Dr. Tymish Y. Ohulchanskyy**, Deputy Director, Photomedicine Institute for Laser, Shenzhen University, China, **Dr. Sushma Talegaonkar**, DPSURU, **Dr.**

		Zeenat Iqbal, Jamia Hamdard, **Prof. Sujata Mohanty**, AIIMS, New Delhi; **Dr. Sangram KeshariSamal**, ICMR, Regional Medical Research Centre, Bhubaneshwar, **Prof. Indrajit Roy,** Dept of Chemistry, University of Delhi, **Prof. Kamalinder K Singh**, Professor of Nanomedicine, University of Central Lancashire (UCLan, UK), **Dr Neill Liptrott,** University of Liverpool, UK, **Prof. S. Kundu**, Director, South Campus, University of Delhi			
Nature of Participation (e.g. Invited Speaker, Participant etc.)		Participant			
Date/s	**27th-28th September, 2021**	**Timing/s**	9.00am to 5.00 pm	**Mode**	Online Lectures

Event Topic		**Nanomedicine**			
Type / Nature (FDP/Webinar/Workshop etc.)		**Workshop**			
Organizing In-charge		Prof. Anita Kamra and Dr. Renu Kathpalia, Kirori Mal College			
Details regarding invited Resource Person					
Nature of Participation (e.g. Invited Speaker, Participant etc.)		Participant			
Date/s	**29th September, 2021**	**Timing/s**	9.00am to 5.00 pm	**Mode**	Online Lectures

Event Topic	Workshop on "Application of bioinformatics for pedagogy of plant science"
Type / Nature (FDP/Webinar/Workshop etc.)	**Workshop**
Organizing In-charge	Prof. Rajni Gupta, Kirori Mal College
Details regarding invited Resource Person	DAY1: DR. HEMANT RITURAJ KUSHWAHA (School of Biotechnology , Jawaharlal Nehru University) DAY 2 : PROF. SUDESHNA .M .LEIGHTON

	(Department of Botany , University of Delhi)				
Nature of Participation (e.g. Invited Speaker, Participant etc.)	Participant				
Date/s	22nd July to 23rd July,2021	**Timing/s**	Day 1 : 3.00pm -5.00 pm Day 2 : 3.00pm -5.00 pm	**Mode**	Online at Zoom

Event Topic	Workshop on "**Microbes for Sustainable and Resilient Future"**				
Type / Nature (FDP/Webinar/Workshop etc.)	**Workshop**				
Organizing In-charge	Prof. Rupam Kapoor, University of Delhi				
Details regarding invited Resource Person	**Dr. Anil Kumar Saxena** IARI-National Bureau of Agriculturally Important Microbes (NBAIM), U.P., **Prof. Naveen Gopal Kango** Department of Microbiology, Dr. H.S. Gour Vishwavidyalaya, Sagar, M.P., **Prof. Yashpal Sharma** Department of Botany, University of Jammu, J&K, **Dr. Mahaveer P. Sharma** ICAR-Indian Institute of Soybean Research, Indore, M.P, Dr. **Davis Joseph Bagyara** Centre for Natural Biological Resources and Community Development, Karnataka, **Prof. Ravindra Nath Kharwar** Department of Botany, Banaras Hindu University, U.P., **Prof. Sanjana Kaul** School of Biotechnology, Faculty of Life Sciences, University of Jammu, J&K, **Prof. C. Manoharachary** Department of Botany, Osmania University, Andhra Pradesh, **Sr. Prof. Bernard F. Rodrigues** Department of Botany, Goa University, Goa, **Prof. Krishnendu Acharya** Department of Botany, University of Calcutta, West Bengal, **Prof. V. Venkateshwara Sarma** Department of Biotechnology, School of Life Science, Pondicherry University, **Prof. Dinabandhu Sahoo** Senior Professor, Department of Botany, University of Delhi**, Dr. Belle D. Shenoy** Principal Scientist, CSIR- National Institute of Oceanography				
Nature of Participation (e.g. Invited Speaker, Participant etc.)	Participant				
Date/s	6 Dec to 11 Dec,2021	**Timing/s**	9.0am to 5.0pm	**Mode**	Online and Hands on

Dr. Archana Singh (Botany Department) **Academic Planner**

Event Topic	Workshop on "**Arbuscular Mycorrhizal Fungi: Biodiversity, Taxonomy and Propagation"**				
Type / Nature (FDP/Webinar/Workshop etc.)	**Online Workshop**				
Organizing In-charge	Department of Botany Rajiv Gandhi University, Rono Hills, Doimukh – 791112 Arunachal Pradesh				
Details regarding invited Resource Person	**Dr. Mahaveer P. Sharma ,** Principal Scientist, Agriculture Research Service, ICAR, Indian Institute of Soyabean Research, Indore Madhya Pradesh; **Prof Manju M. Gupta,** Department of Botany, Aurobindo College, University of Delhi ; **Prof Bernard F Rodriguez**, Senior Professor, Department of Botany, Goa University				
Nature of Participation (e.g. Invited Speaker, Participant etc.)	Participant				
Date/s	19 -20 Jan 2022, 02 April 2022	**Timing/s**	2.30pm to 5.0pm	**Mode**	Online

Event Topic	eDOPS-An Electronic Database of Plants:An important resource for identification of different plants				
Type / Nature (FDP/Webinar/Workshop etc.)	**Lecture**				
Organizing In-charge	Prof. Anita.K.Verma				
Details regarding invited Resource Person	Prof. Avinash Nagpal , Department of Botanical and Environmental Sciences, Guru Nanak Dev University				
Nature of Participation (e.g. Invited Speaker, Participant etc.)	Participant				
Date/s	12 February 2022	**Timing/s**	11.0 am - 1.00 pm	**Mode**	Online at G-meet

Event Topic	**"Carbon Credit"**				
Type / Nature (FDP/Webinar/Workshop etc.)	**Webinar**				
Organizing In-charge	Prof. Rajni Gupta				
Details regarding invited Resource Person	Ms Ankita Shukla				
Nature of Participation (e.g. Invited Speaker, Participant etc.)	Participant				
Date/s	4th March , 2022	**Timing/s**	3.0 pm - 1500 pm	**Mode**	Online at G-meet

Event Topic	"**Wetlands**"				
Type / Nature (FDP/Webinar/Workshop etc.)	Lecture				
Organizing In-charge	PROF.RAJNI GUPTA				
Details regarding invited Resource Person	Prof. P.L. Uniyal (Department of Botany , University of Delhi)				
Nature of Participation (e.g. Invited Speaker, Participant etc.)	Participant				
Date/s	4th March, 2022	**Timing/s**	9.30 am – 12.00 pm	**Mode**	Online at G-meet

Event Topic	**"Sustainable Urban Gardening"**
Type / Nature (FDP/Webinar/Workshop etc.)	Workshop
Organizing In-charge	Dr. Renu Kathpalia & Prof Anita Kamra Verma

Details regarding invited Resource Person		Mr. Pravin Mishra (Urban Farmer)			
Nature of Participation (e.g. Invited Speaker, Participant etc.)		Participant			
Date/s	6th June, 2022	**Timing/s**	10.30 am – 1.00 pm	**Mode**	Offline

Event Topic		**"Bird Nest Making"**			
Type / Nature (FDP/Webinar/Workshop etc.)		Workshop			
Organizing In-charge		Prof. Rajni Gupta and Dr. Ramanand			
Details regarding invited Resource Person		Mr. Rakesh Khatri (Nest Maker of India)			
Nature of Participation (e.g. Invited Speaker, Participant etc.)		Participant			
Date/s	6th July, 2022	**Timing/s**	3.00 pm – 4.00 pm	**Mode**	Offline

E. Internal Assessment: House Exam (Test/Presentation etc.) &Assignment*

Course Code	Course Name	Unique Paper Code	Topic Name	Day and Date	Date/s of Exhibiting the Assessment Sheet to students, Discussing the marks, Returning/Retaining
556	B.Sc Botany (Hon) V Sem	32161501	Reproductive Biology of Angiosperms (THEORY) (Each student was given different topic for assignment from theory)	Assignment- 25 Oct 2021 Test-10 Nov 2021 & 18 Nov 2021	Assignment- 11 Nov 2021 Test- 18 Nov 2021
556	B.Sc.(Hon) Botany I Sem	32161102	Biomolecules and Cell Biology (Theory)	Test- 14 Feb 2022	Test- 19 Feb 2022
556	B.Sc.(Hon) Botany, I Sem	32161102	Biomolecules and Cell Biology (Practical)	Test- 28th Feb-2022	Test- 19th Feb-2022
586	B.Sc Life Science V Sem	42167902	Cell and Molecular Biology (THEORY)	Assignment- 25 Aug 2021 Test- 30 Sept 2021	Assignment- 5 Nov 2021 Test- 16 Nov 2021
556	B.Sc Botany (Hon) VI Sem	32167601	Industrial and Environment Microbiology (DSE paper) (THEORY) (Each student was given different topic for assignment from theory)	Test- 11 Feb 2022	Test- 25 Feb 2022
556	B.Sc Botany	32161402	Ecology (THEORY)	Test	Test

	(Hon) IV Sem		(Each student was given different topic for assignment from theory for assignment)	7 Feb 2022 Assignment: -7 Feb 2022 Presentation -5 students per week	24 Feb 2021 Assignment: on the day of presentation
556	B.Sc Botany (Hon) II Sem	32161202	Archegoniatae	Assignment- 18-6-2022 Test- 23-6-2022	Assi.& test 30-06-2022

Dr. Archana Singh
Department of Botany