

I – Academic Planner
Teacher’s Name- Dr. REENA SAXENA Department- CHEMISTRY

B. Teaching Plan (Year : 2021-22 Semester: Odd)

S. No.	UPC	Paper Name	Core/AECC/GE/SEC	Topic/Unit	Start Date	End Date
1.	32171502	B.Sc (H) 3rd Year (V-Semester) Practical Physical Chemistry V- Quantum Chemistry & Spectroscopy	Core	1.Colorimetry 2.Spectrophotometry	20/7/21 18/10/21	9/10/21 15/11/21
2.	32171303	B.Sc (H) 2nd Year (III-Semester) Practical Physical Chemistry-III Phase Equilibria & Electrochemical cells	Core	1. Phase Equilibria 2. Potentiometry	16/8/21 15/11/21	13/11/21 7/12/21
3.	32171102	B.Sc (H) Ist Year (I-Semester) Practical Physical Chemistry - I States of Matter & Ionic Equilibrium	Core	1.Surface tension measurements 2.Viscosity measurement 3.pH-metry: 4. Revision, Mock test &Practical exam	22/11/21 03/01/22 07/02/22 21/03/22	31/12/21 05/02/22 10/03/22 04/04/22
4.	42177925	B.Sc (Prog) Life Sciences 3rd Year (V-Semester) Chemistry of d block elements, Quantum Chemistry &Spectroscopy	DSE	1.Quantum Chemistry 2. Spectroscopy 3. Photochemistry	20/7/21 13/9/21 25/10/21	10/9/21 23/10/21 15/11/21
5.	42177925	B.Sc (Prog) Analytical Chemistry 3rd Year (V-Semester) Chemistry of d block elements, Quantum Chemistry &Spectroscopy	DSE	1.Quantum Chemistry 2. Spectroscopy 3. Photochemistry	20/7/21 13/9/21 25/10/21	10/9/21 23/10/21 15/11/21

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

1. Event Topic	Innovation in Scientific Research Method
Type / Nature (FDP/Webinar/Workshop etc.)	FDP
Organizing In-charge	DBT Star college Scheme, Dr. Reena Saxena, Coordinator-Chemistry, DBT Star college scheme as one of the member, organizing team
Details regarding invited Resource Person	<ul style="list-style-type: none"> • Dr. Balram Pani, Dean of Colleges, Principal, Bhaskaracharya College of Applied Sciences, University of Delhi • Prof. Shashank Deep Department of Chemistry, Indian Institute of Technology, Delhi • Prof. Diwan S. Rawat Department of Chemistry, University of Delhi

	<ul style="list-style-type: none"> • Prof. Paramjit Khurana, Department of Plant Molecular Biology, University of Delhi • Prof. Suman Lakanpaul, Department of Botany, University of Delhi • Prof T.R. Seshadari, Department of Physics and Astrophysics, University of Delhi • Prof. Kirti Ranjan, Department of Physics and Astrophysics, University of Delhi • Dr.Charulata, National Institute of Science communication and Information Resources • Dr. Anil K. Mishra, Institute of Nuclear Medicine and Allied Sciences, DRDO • Dr. Nipun Arora, Assistant Professor, Department of Mechanical Engineering, IIT, Jodhpur 	
Nature of Participation (e.g. Invited Speaker, Participant etc.)	Teachers from all over India	
Date/s 14-18 th October 2020	Timing/s 4-6 pm	Mode Online

2. Event Topic	Multifunctional Nanomaterials for Advanced Applications in Healthcare	
Type / Nature (FDP/Webinar/Workshop etc.)	Webinar	
Organizing In-charge	Dr. Reena Saxena, Coordinator-Chemistry, DBT Star college scheme	
Details regarding invited Resource Person	Dr. Indrajit Roy,	
Nature of Participation (e.g. Invited Speaker, Participant etc.)	Students from DU colleges, IITs and other colleges from India	
Date/s 16-09-20	Timing/s 12:30-1:30pm	Mode Online

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
DSE (Theory)	B.Sc (Prog) Life Sciences 3rd Year (V-Semester)	42177925	Quantum Chemistry & Spectroscopy	14-11-2021	19-11-21
DSE (Theory)	B.Sc (Prog) Analytical Chemistry 3rd Year (V-Semester)	42177925	Quantum Chemistry & Spectroscopy	14-11-2021	19-11-21

*Marks of the Internal Assessment to be submitted to the College 15 days before the last working day of every semester

A. Teaching Plan (Year: 2021-22 Semester: Even)

S. No	UPC	Paper Name	Core/AEC C/GE/SEC	Topic/Unit	Start Date	End Date
1.	32177903	B.Sc (H) 3rd Year (VI-Semester) Theory Chemistry DSE-III Applications of Computers in Chemistry	Core/DSE	1. Basics of Computer system 2. Programming language, QBasic – Commands and syntax 3. Q Basic to solve Mathematical & Chemistry Problems 4. Q Basic to solve Numerical Methods	01/01/22 10/01/22 31/01/22 21/03/22	08/01/22 29/01/22 11/03/22 27/04/22
2.	32177903	B.Sc (H) 3rd Year (VI-Semester) Practical Chemistry DSE-III Applications of Computers in Chemistry	Core/DSE	1. MS Excel for data handling and plotting graph of Chemistry problems 2. Applications of Q Basic language to solve Mathematical & Chemistry Problems 4. Applications of Q Basic to solve Numerical Methods problems	01/01/22 24/01/22 28/03/22	21/01/22 25/03/22 27/04/22
3.	32171403	B.Sc (H) 2nd Year (IV-Semester) Practical Physical Chemistry IV Conductance & Chemical Kinetics	Core	Experiments- Chemical Kinetics Experiments- Conductometry	01/01/22 21/03/22	16/03/22 27/04/22

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

3. Event Topic	Innovation in Scientific Research Method
Type / Nature (FDP/Webinar/Workshop etc.)	FDP
Organizing In-charge	DBT Star college Scheme, Dr. Reena Saxena, Coordinator-Chemistry, DBT Star college scheme as one of the member, organizing team
Details regarding invited Resource Person	<ul style="list-style-type: none"> • Dr. Balram Pani, Dean of Colleges, Principal, Bhaskaracharya College of Applied Sciences, University of Delhi • Prof. Shashank Deep Department of Chemistry, Indian Institute of Technology, Delhi • Prof. Diwan S. Rawat Department of Chemistry, University of Delhi • Prof. Paramjit Khurana, Department of Plant Molecular Biology, University of Delhi • Prof. Suman Lakanpaul, Department of Botany, University of Delhi • Prof T.R. Seshadari, Department of Physics and Astrophysics, University of Delhi • Prof. Kirti Ranjan, Department of Physics and Astrophysics, University of Delhi

	<ul style="list-style-type: none"> • Dr.Charulata, National Institute of Science communication and Infomation Resources • Dr. Anil K. Mishra, Institute of Nuclear Medicine and Allied Sciences, DRDO • Dr. Nipun Arora, Assistant Professor, Department of Mechanical Engineering, IIT, Jodhpur 	
Nature of Participation (e.g. Invited Speaker, Participant etc.)	Teachers from all over India	
Date/s 14-18 th October 2020	Timing/s 4-6 pm	Mode Online

4. Event Topic	Multifunctional Nanomaterials for Advanced Applications in Healthcare		
Type / Nature (FDP/Webinar/Workshop etc.)	Webinar		
Organizing In-charge	Dr. Reena Saxena, Coordinator-Chemistry, DBT Star college scheme		
Details regarding invited Resource Person	Dr. Indrajit Roy,		
Nature of Participation (e.g. Invited Speaker, Participant etc.)	Students from DU colleges, IITs and other colleges from India		
Date/s 16-09-20	Timing/s 12:30-1:30pm	Mode Online	

D. 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
DSE-3 (Theory)	B.Sc (H) 3rd Year (VI-Semester) Theory-Applications of Computers in Chemistry	32177903	Applications of Computers in Chemistry	18-05-2020	29-05-20