

1. Academic Planner (Odd Semester) July 2021

I – Academic Planner

A. Teaching Plan (Year : July 2021 Paper: Theory/Practical Semester: Odd)

Teacher's Name : Dr. RUPESH KUMAR Department_CHEMISTRY

S. No	UP C	Paper Name	Core/AECC/GE/SEC	Topic/Unit	Start Date	End Date
1		Theory DSE Chemistry 8	B.Sc Hons Chemistry IIIrd Year	What is green Chemistry. Twelve principles of Green Chemistry	20 th July 2021	28 th July 2021
2		Same	Same		30 th July 2021	10 th September 2021
3		Same	Same		13 th September 2021	1 st October 2021
4		Same	Same	Real world cases studies based on the presidential green chemistry award.	1 st October 2021	18 th October 2021
5		Same	Same	Future trends in green chemistry.	19 th October 2021	1 st November 2021
6		Same	Same	Internal Test and Submission of Assignment	2 nd November 2021	

7	Practicals DSE Chemistry 8 Green Chemistry	Same	<ol style="list-style-type: none"> 1. Preparation and characterization of Nanoparticles. 2. Preparation of Biodiesel from waste oil. 3. Benzoin Condensation using thiamine hydrochloride. 4. Extraction of Limone from orange peel. 5. Mechanochemical solvent free solid solid synthesis. 6. One pot synthesis of phthalocyanine copper complex. using microwave. 7. Photoreduction of Benzophenone. 	19 th July 2021	25 th Octo ber 2021
8	Chemistry CXI Organic Chemistry IV	B.Sc Hons Chemistry III rd Year	<ol style="list-style-type: none"> 1. Estimation of Glucose by Fehling solution. 2. Study of titration curve of glycine. 3. Estimation of protein by Lowry's method. 4. Study of action of salivary amylase on starch under optimum cond. 5. Effect of temperature on salivary amylase. 6. Isolation and estimation of DNA using Onion. 7. Saponification value of Given oil. 8. Determination of Iodine Number of Mustard oil. 	28 th July 2021	27 th Octo ber 2021
9	Chemistry Lab.3 Solution, liquidBiomolecul	B.Sc Physical Science II nd Year	<ol style="list-style-type: none"> 1. Systematic organic analysis of organic Compounds. 2. Determination of concentration of glycine by formylation method. 3. Action of salivary amylase on starch. 4. Differentiation of reducing and non-reducing sugar. 	20 th July 2021	9 th No vemb er 2021
10	Chemistry Paper: atomicorganic chemistry	B.Sc Life Science 1 st Year	<ol style="list-style-type: none"> 1. General Organic Chemistry. 2. Stereochemistry. 2. Aliphatic Hydrocarbons. 	6 th November 2021	29 th J anua ry 2022