

I – Academic Planner

Teacher's Name: **Dr. Sunil Kumar Singh** Department - Chemistry

A. Teaching Plan (Year: 2020-21; Semester: Odd)

| S. No. | UPC | Paper Name | Core/AECC/GE/SEC | Topic/Unit | Start Date | EndDate |
|--------|----------|---|------------------|--|--|--|
| 1 | 32171302 | Organic Chemistry II: Oxygen Containing Functional Groups | Core | 1. Chemistry of Halogenated Hydrocarbons 2. Alcohols, Phenols, Ethers and Epoxides 3. Carbonyl Compounds 4. Carboxylic Acids and their Derivatives | 10.08.2020 19.09.2020 10.10.2020 06.11.2020 | 10.09.2020 09.10.2020 05.11.2020 28.11.2020 |
| 2 | 32171302 | Organic Chemistry II: Oxygen Containing Functional Groups Practical | Core | 1. Functional group tests for alcohols, phenols, carbonyl and carboxylic acid group 2. Organic preparations | 11.08.2020 15.09.2020 | 08.09.2020 24.11.2020 |
| 3 | 32171501 | Organic Chemistry IV: Biomolecules Practical | Core | (a) Glycine Estimation (b) Saponification Value (c) Isolation of DNA using cauliflower (d) Calculation of Protein Content by Lawry's method (e) Action of Salivary amylase on Starch (f) Effect of Temp. on the action of | 18/08/2020 01/09/2020 08/09/2020 15/09/2020 22/10/2020 06/10/2020 | 25/08/2020 01/09/2020 08/09/2020 15/09/2020 29/10/2020 06/10/2020 |

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|----|----------|--|------|--|--|--|
| | | | | salivary amylase | | |
| | | | | (g) Study of Titration Curve of Glycine | 13/10/2020 | 13/10/2020 |
| | | | | (h) Mock Test/Viva Preparation | 03/11/2020 | 03/11/2020 |
| 4 | 32177908 | DSE-6: Green Method in Chemistry Practical | DSE | 1.Mechanochemical solvent free synthesis of azomethine 2.Preparation and characterization of biodiesel from vegetable oil 3. Benzoin condensation using green methods 4. Photoreduction of benzophenone 5.Extraction of D-limonene from orange peel using liquid CO2 prepared from dry ice 6. Viva-voce Preparation | 13.08.2020 27.08.2020 10.09.2020 24.09.2020 15.10.2020 05.11.2020 | 20.08.2020 03.09.2020 17.09.2020 08.10.2020 29.10.2020 12.11.2020 |
| 5. | 42171103 | Chemistry-I: Atomic Structure, Bonding, General Organic Chemistry & Aliphatic Hydrocarbons | Core | - | - | - |

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

| | | | | | |
|---|--|-----------------|--|-------------|--|
| Event Topic | | | | | |
| Type / Nature (FDP/Webinar/Workshop etc.) | | | | | |
| Organizing In-charge | | | | | |
| Details regarding invited Resource Person | | | | | |
| Nature of Participation (e.g. Invited Speaker, Participant etc.) | | | | | |
| Date/s | | Timing/s | | Mode | |

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

D. Organization of Department/College Society Meetings by Staff Advisor/Convener

| Department/Society | Meeting Date | Purpose |
|--------------------|--------------|---------|
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E. College Functions

| College Function | Function Date | Role to be played |
|------------------|---------------|-------------------|
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For Departments

A. Department activities for students – Election/Freshers/Welcome/Farewell/Department Seminars/Society functions

| Event | Date | Timing | Venue | Event In-charge / Supervisor |
|---------------------|------|--------|-------|------------------------------|
| Department Election | | | | |

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|------------------------------|--|--|--|--|
| Fresher's Welcome | | | | |
| Farewell | | | | |
| Department Society functions | | | | |
| Department Seminars | | | | |
| Any Other () | | | | |

B. Outstation Field Visit for Students

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|---------------------------|--|--------------------------|--|
| Project Name / Paper Name | | | |
| Destination | | Travel Mode | |
| Departure Month | | Return | |
| Faculty-in-Charge | | Number of Students going | |

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

| | | | | |
|--|--|----------|--|------|
| Event Topic | | | | |
| Type / Nature (FDP/Webinar/Workshop etc.) | | | | |
| Organizing In-charge | | | | |
| Details regarding invited Resource Person | | | | |
| Nature of Participation (e.g. Invited Speaker, Participant etc.) | | | | |
| Date/s | | Timing/s | | Mode |

