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SGGSJ GC PAONTA SAHIB HIMACHAL PRADESH

DEPARTMENT OF CHEMISTRY

MSC CHEMISTRY BATCH 2023-25

ASSIGNED TOPICS FOR TWO SEMINARS OF 25 MARKS EACH - SEMESTER IV

SUBMISSION DATE: 15/2/2025

SN	Name of the Student	University Roll No	Seminar 1	Seminar 2	Signature
1.	Arvind	80231940001	Chemistry of Nitrogen Fixation	Perovskite solar Cell	Arvind
2	Babita	80231940002	General methods of elucidation of Alkaloids	Nanoparticles and Medical Science	Babita
3	Dalip	80231940003	Progesterone: Chemical Nature and Biochemical Function	Chemistry of Universe: Understanding origin and fate of matter	Dalip
4	Ekta	80231940004	Chemistry of beta lactam Antibiotics	Chemistry of Lichen Compounds	Ekta
5	Himanshi	80231940005	Epoxy resin: Chemically ecofriendly	Biodegradation of Graphene	Himanshi
6	Kirat	80231940006	Carotenoids: Nature's colourful antioxidants	Ionic Liquid as Green Solvent	Kirat
7	Komal Chandel	80231940007	Diuretics: Their Chemistry and biochemical role in human body	Heavy Metal: Transport and Fate in the environmental compartments	Komal Chandel
8	Kshitiz	80231940008	Coenzyme A: Biochemical role	Chemistry of Aerogels	Kshitiz
9	Kumari Komal	80231940009	Understanding Drug Metabolism	Water Purification by Traditional and Modern Methods	Komal
10	Pooja	80231940010	Pharmaco kinetics of Penicillin G	Chemistry of Artificial Sweeteners	Pooja
11	Prakriti	80231940011	Specialised and Commercial Polymers: A Chemical View	Novel Catalysts for green production of fine chemicals	Prakriti
12	Priya	80231940012	Pharmacodynamics in terms of receptor sensitivity, post receptor effects and chemical interactions	Chemistry of Biodegradable plastics with reference to PBAT and thermoplastic Starch	Priya
13	Radhika	80231940013	Drug designing types and recent AI based trends in drug design	Recent Advancement in Thermochemical conversion techniques for biofuels production	Radhika

Amrita Joshi
(AMITA JOSHI)

Pooja Bhati
(Pooja Bhati)

Manu
Principal
GDC Paonta Sahib (H.P.)

4	Rajat	80231940014	Cancer Chemotherapy	How Metals make smartphone smart?	Rajat
15	Rhythm	80231940015	Chemistry behind Anaesthetics	Radiocarbon Dating	Rhythm
16	Ritik Bangar	80231940016	Testosterone: Isolation and Synthesis	Catalytic transformation of Carbohydrates into biofuels	Ritik Bangar
17	Ritik Chaudhary	80231940017	Chemical structure and mechanism of Action of Antidepressants	Gene modification in medicinal Chemistry	Ritik
18	Sakshi	80231940018	Metal carbonyl Clusters in Nano technology	Snow effects and Environmental Pollution	Sakshi
19	Sheetal	80231940019	Role of Chemicals involved in Central Nervous System functioning	Chemistry of Food Preservation	Sheetal
20	Shelly	80231940020	Chemistry of action of Chlorophyll and Anthocyanins	Chemistry of harmful effects of Cosmetics	Shelly
21	Shikha Kalyan	80231940021	Chemistry of Synthesis of Terpenoids	Plastic Recycling: A Greener Approach	Shikha Kalyan
22	Shivangi Sharma	80231940022	Stereo Chemistry of Polymers	Computational Chemistry and Molecular Modelling	Shivangi
23	Shivani	80231940023	Cholesterol: Isolation and Synthesis	Silicon dioxide: In Pharma Industry and In Solar cells	Shivani
24	Taginder	80231940024	Polyanhydrides, Aliphatic polyesters and poly caprolactone as biodegradable polymers	Chemistry of Climate Change	Taginder Singh

Note: The essential elements of your presentation should be:

1. Literature Review
2. Scope of Presentation
3. Theoretical framework
4. Current Research
5. Critical Analysis
6. Conclusion
7. Handling questions from Audience
8. Post Seminar Discussion and Feedback from audience

Your Professional Attire and the way you present your slides with clear focus, high quality images, graphs, consistency of slides, appropriate referencing style like APA will also be considered for marking.

Any technical fault on the day of presentation will be your sole responsibility.

Anita J (ANITA JOSHI)
Faculty Members

Pooja Bhati
(Pooja Bhati)

MSW
Principal
GDC Bahib (H.P.)
PRINCIPAL Bahib (H.P.)