

Dr. Ramesh Kumar

Schedule of topics to be taught in M.Sc. Chemistry (2nd and 4th Semester) from 06.04.2015 to 11.04.2015

Date	Semester	Paper No.	Topics
08.04.2015	II	VII	Ester hydrolysis, amide hydrolysis
10.04.2015	IV	XIX	Structure elucidation of cholesterol
11.04.2015	IV	XIX	Synthesis of cholesterol

Dr. Parvin Jangra (06-04-2015 to 11-04-2015)

Class	Paper	Topic
M. Sc. IV sem	XVIII	chemistry of azoles
M. Sc. II sem	VII	Carbocationic rearrangements

Ravinder Kaur

Lesson Plan (6.04.2015-11.04.2015) Paper XIX

Microencapsulation: Its importance and application in pharmaceutical formulations, techniques and equipment.

Paper XVIII

QSAR- Development of QSAR, Physiochemical parameters- lipophilicity parameter, polarizability, electronic parameter, ionization constant, steric parameters-Taft steric factor, molar refractivity, Verloop steric parameter, chelation parameter, surface activity parameter, redox potential, Hansch analysis, Craig plot, Topliss scheme, Free Wilson approach

Dr. Prabjot Kaur Lesson Plan (6-4-15 to 11-04-15)

Radiotracer techniques

- (1) Radiometric titrations
- (2) Isotopic dilution
- (3) Neutron absorptiometry