Lesson Plan Format
18 weeks (From January 2018 to April 2018)

Name of Assistant /Associate Professor :.....Dr. Ritu.....
Class and Section :.B.Sc. III 6th Semester.....
Subject :.....Organic Chemistry.....

Lecture on Friday–Saturday

Week 1(January 1-6)
Chapter 1
01/01/2018
02/01/2018
03/01/2018
04/01/2018
Holiday 05/01/2018 Introduction : Molecular orbital picture & aromatic characteristics of Pyrrole, furan,
06/01/2017 Aromatic characteristics of thiophene and Pyridine, Methods of Synthesis
Week 2(January 8-13)
Chapter
08/01/2018
09/01/2018
10/01/2018
11/01/2018
12/01/2018 Chemical Reactions with particular emphasis on the mechanism of electrophilic substitution
13/01/2018 Mechanism of Nucleophilic substitution in Pyridine derivatives. Comparision of basicity of Pyridine, Piperidine and Pyrrole.
Week 3(January 15-20)
Chapter
15/01/2018
16/01/2018
17/01/2018
18/01/2018
19/01/2018
19/01/2018 Introduction to condensed five and six membered Heterocycles
20/01/2018 Preparation and Reactions of indole, quinoline and isoquinole
Week 4(January22-27)
Chapter
22/01/2018
23/01/2018
24/01/2018
25/01/2018
26/01/2018 → Holiday Republic day

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27/01/2018	Fisher indole Synthesis, Skraup Synthesis, Bischler-Napieralski synthesis
Week 5 (January29- Feb3)	
Chapter	
29/01/2018	
30/01/2018	
31/01/2018	
01/02/2018	
02/02/2018	Mechanism of electrophilic substitution Reactions of quinoline & isoquinoline
03/02/2018	Nomenclature and structural features of organosulphur compounds
Week 6(Feb 5-10)	
Chapter	
05/02/2018	
06/02/2018	
07/02/2018	
08/02/2018	
09/02/2018	Methods of Preparation and chemical Reactions of thiols, thioethers, Sulphonic acids
10/02/2018	→ Holiday
Week 7(Feb 12-17)	
Chapter	
12/02/2017	
13/02/2017	
14/02/2017	
15/02/2017	
16/02/2017	Methods of formation and chemical Reactions of Sulphonamides and Sulpha - guanidine
17/02/2017	Synthetic detergents alkyl and aryl Sulphonate
Week 8(Feb 19-24)	
Chapter	
19/02/2018	
20/02/2018	
21/02/2108	
22/02/2018	
23/02/2018	Acidity of α-hydrogen
24/02/2018	alkylation of diethyl malonate and ethyl acetoacetate
Week 9(Feb 26-March03)	
Chapter	
26/02/2018	
27/02/2018	
28/02/2018	
01/03/2018	

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02/03/2018	Holiday
03/03/2018	
Week 10(March 5-10)	
Chapter	
05/03/2018	
06/03/2018	
07/03/2018	
08/03/2018	
09/03/2018	Synthesis of ethylacetoacetate, the claisen condensation
10/03/2018	Keto enol tautomerism of ethyl acetoacetate
Week 11(March 12-17)	
Chapter	
12/03/2018	
13/03/2018	
14/03/2018	
15/03/2018	
16/03/2018	Addition or chain growth Polymerisation, Free Radical vinyl Polymerisation
17/03/2018	ionic Vinyl polymerisation, Ziglet Natta Polymerisation of vinyl Polymers
Week 12(March 19-24)	
Chapter	
19/03/2018	
20/03/2018	
21/03/2018	
22/03/2018	
23/03/2018	→ Holiday
24/03/2018	condensation or step growth Polymerisation, Polyesters, Polyamide
Week 13(March 26-31)	Phenol, Formaldehyde resins, Urea Formaldehyde resins
Chapter	resins, Urea formaldehyde resins
26/03/2018	
27/03/2018	
28/03/2018	
29/03/2018	
30/03/2018	epoxy resins & Poly Urethanes, Natural and synthetic
31/03/2018	Classification of amino acids, Acid-base behaviour, Rubber
Week 14(April 02-07)	
Chapter	
02/04/2018	
03/04/2018	
04/04/2018	

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05/04/2018	
06/04/2018	electrophoresis
07/04/2018	Preparation of α-amino acids
Week 15(April 09-14)	
Chapter	
09/04/2018	
10/04/2018	
11/04/2018	
12/04/2018	
13/04/2018–	Holiday
14/04/2018–	Holiday
Week 16(April 16-21)	
Chapter	
16/04/2018	
17/04/2018	
18/04/2018	
19/04/2018	
20/04/2018	Structure and Nomenclature of Peptides & Proteins, classification of Proteins
21/04/2018	Peptide structure determination, end group analysis, Selective hydrolysis of Peptides
Week 17(April 23-28)	
Chapter	
23/04/2017	
24/04/2017	
25/04/2017	
26/04/2017	
27/04/2017	Classical Peptide synthesis, Solid-Phase Peptide Synthesis
28/04/2018	Structure of Peptides and Proteins : Primary and Secondary structure
Week 18(April 29-30)	
Chapter	
30/04/2018	

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