Saraswati Mahila Mahavidyalaya, Palwal

**Lesson Plan**: Jan 2018- April 2018

**Name of the Assistant/Associate Professor:** MS. GEETA POPLI

**Class and Section:** B.Sc. Ist(Sec.A&B), B.Sc. IInd (Sec.B &med), B.Sc.IIIrd(med)

**Name of subject:** Organic Chemistry

**Subject Lesson Plan: 18 weeks(from January 2018 to April 2018)**

**(Note: Prepare as per list of holidays declared by Haryana govt.)**

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| **WEEK 1** |
| **ASSIGNMENT:** |
| **WEEK 1,DAY1 ,DATE :01/01/2018(MONDAY)** |
| **B.Sc. IInd (med**): Structure and nomenclature of amines, Physical properties.  **B.Sc. IIIrd (med):** Introduction molecular orbital picture & aromatic characteristic of pyrrole.  **B.Sc. IInd ‘A’ Lab**: Demonstrate to detect given organic compound. |
| **WEEK 1 ,DAY 2 ,DATE :02/01/2018(TUESDAY)** |
| **B.Sc. IInd (med):** Separation of mixture of primary, secondary, tertiary amines & basicity of amines.  **B.Sc. IIIrd(med**): Characteristic of furan, thiophene & pyridine.  **B.Sc. IInd ‘A’ Lab**: Writing of experiment in practical file. |
| **WEEK 1,DAY 3 ,DATE :03/01/2018(WEDNESDAY)** |
| **B.Sc. IInd ‘B’ Lab**: To detect given organic compound.  **B.Sc. IInd ‘B’** :Structure & nomenclature of amines, Physical properties |
| **WEEK 1 ,DAY 4 ,DATE :04/01/2018(THURSDAY)** |
| **B.Sc. IInd ‘B’ Lab**: Writing of experiment in practical file.  **B.Sc. Ist ‘A’ Lab**: To prepare a sample of pure Iodoform from ethanol.(perform) |
| **WEEK 1,DAY 5 ,DATE :05/01/2018(FRIDAY)** |
| **Holiday on account of Guru Govind Singh’s Birthday** |
| **WEEK 1 ,DAY 6 ,DATE :06/01/2018(SATURDAY)** |
| **B.Sc. Ist ‘A’,’B’:** Introduction & nomenclature of alkenes, mechanism of dehydration of alcohol and dehydrohalogenation of alkyl halides.  **B.Sc. Ist (med) lab:** To prepare a sample of pure Iodoform from ethanol.(demonstrate and perform) |
| **WEEK 2** |
| **ASSIGNMENT:** |
| **WEEK 2,DAY1 ,DATE :08/01/2018(MONDAY)** |
| **B.Sc. IInd (med):** Preparation of alkyl & aryl amines.    **B.Sc. IIIrd(med):** Methods of synthesis.  **B.Sc. IInd ‘A’ Lab**: Demonstrate to detect given organic compound. |
| **WEEK 2 ,DAY 2 ,DATE :09/01/2018(TUESDAY)** |
| **B.Sc. IInd (med):** Gabriel-pthalimide reaction, Hofmann bromoamide reaction.  **B.Sc. IIIrd(med):** Chemical reactions.  **B.Sc. IInd ‘A’ Lab**: Writing of experiment in practical file. |
| **WEEK 2,DAY 3 ,DATE :10/01/2018(WEDNESDAY)** |
| **B.Sc. IInd ‘B’ Lab**: Demonstrate to detect given organic compound.  **B.Sc. IInd ‘B’:** Preparation of alkyl & aryl amines. |
| **WEEK 2 ,DAY 4 ,DATE :11/01/2018(THURSDAY)** |
| **B.Sc. IInd ‘B’ Lab**: Writing of experimental in practical file.  **B.Sc. Ist ‘A’ Lab:** viva voice & file checking. |
| **WEEK 2,DAY 5 ,DATE :12/01/2018(FRIDAY)** |
| **B.Sc. Ist ‘A’,’B’**: The saytzeff rule & examples.  **B.Sc. Ist (med) Lab**: Writing experiment in practical file. |
| **WEEK 2 ,DAY 6 ,DATE :13/01/2018(SATURDAY)** |
| **B.Sc. Ist ‘A’,’B’** : Hoffmann elimination, Physical properties, Relative stability of alkenes.  **B.Sc. Ist (med) Lab**: viva voice and file checking. |
| **WEEK 3** |
| **ASSIGNMENT:** |
| **WEEK 3,DAY1 ,DATE :15/01/2018(MONDAY)** |
| **B.Sc. IInd(med):** Electrophillic aromatic substitution in aryl amines, Reaction amines with nitrous acid.  **B.Sc. IIIrd(med):** Mechanism of nucleophillic substitution reaction in pyridine derivatives.  **B.Sc. IInd ‘A’ Lab**: Demonstrate to detect given organic compound. |
| **WEEK 3 ,DAY 2 ,DATE :16/01/2018(TUESDAY)** |
| **B.Sc. IInd (med**): Discuss problem from aboe unit.  **B.Sc. IIIrd(med):** Comparison of basicity of pyridine, piperidine & pyrrole.  **B.Sc. IInd ‘A’ Lab:** Writing experiment in practical file.  **‘** |
| **WEEK 3,DAY 3 ,DATE :17/01/2018(WEDNESDAY)** |
| **B.Sc. IInd ‘B’ Lab**: Demonstrate to detect given organic compound.  **B.Sc. IInd ‘B’**: Electrophilic aromatic substitution in aryl amines, reaction amines with nitrous acid. |
| **WEEK 3 ,DAY 4 ,DATE :18/01/2018(THURSDAY)** |
| **B.Sc. IInd ‘B’ Lab**: Writing experiment in practical file.  **B.Sc. Ist ‘A’ Lab**: To prepare a sample of m-dinitrobenzene from nitrobenzene.(perform) |
| **WEEK 3,DAY 5 ,DATE :19/01/2018(FRIDAY)** |
| **B.Sc. Ist ‘A’,’B’**: Chemical reaction of alkenes with mechanism.  **B.Sc. Ist (med) Lab**: To prepare a sample of m-dinitrobenzene from nitrobenzene. (demonstrate & perform) |
| **WEEK 3 ,DAY 6 ,DATE :20/01/2018(SATURDAY)**  **B.Sc. Ist ‘A’,’B’**: Markownikofff’s rule, hydroboration –oxidation, oxymercuration reduction.  **B.Sc. Ist (med) Lab**: writing experiment in practical file. |
| **WEEK 4** |
| **ASSIGNMENT:** |
| **WEEK 3,DAY1 ,DATE :22/01/2018(MONDAY)** |
| **Holiday on account of Basant Panchmi.** |
| **WEEK 4 ,DAY 2 ,DATE :23/01/2018(TUESDAY)** |
| **B.Sc. IInd (med):** Mechanism of diazotization, structure of benzene diazonium chloride.  **B.Sc. IIIrd(med):** Written test on above unit.  **B.Sc. IInd ‘A’ Lab**: To detect given organic compound. |
| **WEEK 4,DAY 3 ,DATE :24/01/2018(WEDNESDAY)** |
| **Holiday on account of Sir Chotu Ram Jayanti.** |
| **WEEK 4 ,DAY 4 ,DATE :25/01/2018(THURSDAY)** |
| **B.Sc. IInd ‘B’ Lab**: Mechanism of diazotization, structure of benzene diazonium chloride.  **B.Sc. Ist ‘A’ Lab**: viva voice & file checking. |
| **WEEK 4,DAY 5 ,DATE :26/01/2018(FRIDAY)** |
| **Holiday on account of Republic Day.** |
| **WEEK 4 ,DAY 6 ,DATE :27/01/2018(SATURDAY)** |
| **B.Sc. Ist ‘A’, ‘B’**: Ozonolysis, hydration, hydroboration & oxidation with KMnO4.  **B.Sc. Ist (med) Lab**: viva voice and file checking. |
| **WEEK 5** |
| **ASSIGNMENT:** |
| **WEEK 5,DAY1 ,DATE :29/01/2018(MONDAY)** |
| **B.Sc. IInd (med**): Replacement of diazo group by H,OH,F,Cl,Br,I,NO2 & CN group.  **B.Sc. IIIrd(med):** Introduction to condensed five &six membered hetrocycles.  **B.Sc. IInd ‘A’ Lab**: To detect the given organic compound. |
| **WEEK 5 ,DAY 2 ,DATE :30/01/2018(TUESDAY)** |
| **B.Sc. IInd (med):** Reduction of diazonium salts to hydrazins, coupling reaction & its synthetic application.  **B.Sc. IIIrd(med):** Preparation & reaction of Indole.  **B.Sc. IInd ‘A’ Lab**: Writing experiment in practical file. |
| **WEEK 5,DAY 3 ,DATE :31/01/2018(WEDNESDAY)** |
| **Holiday on account of Guru Ravi Dass Jayanti** |
| **WEEK 5 ,DAY 4 ,DATE :01/02/2018(THURSDAY)** |
| **B.Sc. IInd ‘B’ Lab**: To detect the organic compound.  **B.Sc. Ist ‘A’ Lab**: To prepare a sample of p-bromoacttanilide from acetone. (perform) |
| **WEEK 5,DAY 5 ,DATE :02/02/2018(FRIDAY)** |
| **B.Sc. Ist ‘A’,’B’**: Introduction & nomenclature of benzene derivatives, aromatic nucleus and side chain.  **B.Sc. Ist (med) Lab**: prepare a sample of p-bromoacitanilide from acetone. |
| **WEEK 5 ,DAY 6 ,DATE :03/02/2018(SATURDAY)**  **B.Sc. Ist ‘A’,’B’**: Armaticity :The Huckel Rule, aromatic ions.  **B.Sc. Ist (med) Lab**: Writing experiment in practical file. |
| **WEEK 6** |
| **ASSIGNMENT:** |
| **WEEK 6,DAY1 ,DATE :05/02/2018(MONDAY)** |
| **B.Sc. IInd (med):** Written test on above unit.  **B.Sc. IIIrd(med):** Quinoline & isoquinoline.  **B.Sc. IInd ‘A’ Lab:** To detect given organic compound. |
| **WEEK 6 ,DAY 2 ,DATE :06/02/2018(TUESDAY)** |
| **B.Sc. IInd (med):** Preparation of nitro alkanes & nitroarenes.  **B.Sc. IIIrd(med):** Skraup synthesis & Bischler- Napieralski synthesis.  **B.Sc. IInd ‘A’ Lab**: Writing experiment in practical file. |
| **WEEK 6,DAY 3 ,DATE :07/02/2018(WEDNESDAY)** |
| **B.Sc. IInd ‘B’ Lab:** To detect given organic compound.  **B.Sc. IInd ‘B’**: Reduction of diazonium salts to hydrazins, coupling reaction & its synthetic application. |
| **WEEK 6 ,DAY 4 ,DATE :08/02/2018(THURSDAY)** |
| **B.Sc. IInd ‘B’ Lab**: Writing experiment in practical file.  **B.Sc. Ist ‘A’ Lab**: viva voice & file checking. |
| **WEEK 6,DAY 5 ,DATE :09/02/2018(FRIDAY)** |
| **B.Sc. Ist ‘A’,’B’:** Aromatic, antiaromatic and non-aromatic compounds.  **B.Sc. Ist (med) Lab:** To prepare a sample of Aspirin from salicylic acid. (Demonstrate & perform) |
| **WEEK 6 ,DAY 6 ,DATE :10/02/2018(SATURDAY)** |
| **Holiday on account of Maharshi Dayanand Saraswati Jayanti.** |
| **WEEK 7** |
| **ASSIGNMENT:** |
| **WEEK 7,DAY1 ,DATE :12/02/2018(MONDAY)** |
| **B.Sc. IInd (med):** Chemical reaction.  **B.Sc. IIIrd(med):** Mechanism of electrophillic substitution reaction of Quinoline & isouinoline.  **B.Sc. IInd ‘A’ Lab**: To detect given organic compound. |
| **WEEK 7 ,DAY 2 ,DATE :13/02/2018(TUESDAY)** |
| **Holiday on account of Maha Shivaratri.** |
| **WEEK 7,DAY 3 ,DATE :14/02/2018(WEDNESDAY)** |
| **B.Sc. IInd ‘B’ Lab**: To detect given organic compound.  **B.Sc. IInd ‘B’**: Preparation of nitroalkanes & nitroarenes. |
| **WEEK 7 ,DAY 4 ,DATE :15/02/2018(THURSDAY)** |
| **B.Sc. IInd ‘B’ Lab**: Writing experiment in practical file.  **B.Sc. Ist ‘A’ Lab**: To preparea sample of Aspirin from salicylic acid.(perform) |
| **WEEK 7,DAY 5 ,DATE :16/02/2018(FRIDAY)** |
| **B.Sc. Ist ‘A’,’B’**: Aromatic electrohillic substitution , General pattern of the mechanism, mechanism of nitration.  **B.Sc. Ist (med) Lab**: Writing experiment in practical file. |
| **WEEK 7 ,DAY 6 ,DATE :17/01/2018(SATURDAY)** |
| **B.Sc. Ist ‘A’,’B’**: Mechanism of halogenation, sulphonation & Fridel crafts reaction.  **B.Sc. Ist (med) Lab**: viva voice & file checking. |
| **WEEK 8** |
| **ASSIGNMENT:** |
| **WEEK 8,DAY1 ,DATE :19/02/2018(MONDAY)** |
| **B.Sc. IInd (med):** Mechanism of electrophillic substitution reaction in nitro arenes.  **B.Sc. IIIrd(med):**Nomenclature, structural features & Methods of formation.  **B.Sc. IInd ‘A’ Lab**: To detect given organic compound. |
| **WEEK 8 ,DAY 2 ,DATE :20/02/2018(TUESDAY)** |
| **B.Sc. IInd (med):** Reduction in acidic,neutral, alkaline medium.  **B.Sc. IIIrd(med):** Chemical reactions of thiols , thioethers.  **B.Sc. IInd ‘A’ Lab**: Writing experiment in practical file. |
| **WEEK 8,DAY 3 ,DATE :21/02/2018(WEDNESDAY)** |
| **B.Sc. IInd ‘B’ Lab**: To detect given organic compound.  **B.Sc. IInd ‘B’**: Mechanism of electrohillic substitution reaction in nitro arenes. |
| **WEEK 8 ,DAY 4 ,DATE :22/02/2018(THURSDAY)** |
| **B.Sc. IInd ‘B’ Lab**: Writing experiment in practical file.  **B.Sc. Ist ‘A’ Lab**: Viva voice and file checking. |
| **WEEK 8,DAY 5 ,DATE :23/02/2018(FRIDAY)** |
| **B.Sc. Ist ‘A’,’B’:** Energy profile diagrams,activating ,deactivating substituents & orientation.  **B.Sc. Ist (med) Lab**: To prepare a sample of dibenzalacetone from acetone. (demonstrate & perform) |
| **WEEK 8 ,DAY 6 ,DATE :24/02/2018(SATURDAY)** |
| **B.Sc. Ist ‘A’,’B’**: Assignment on aromaticity & oral test.  **B.Sc. Ist (med) Lab**: Writing experiment in practical file. |
| **WEEK 9** |
| **ASSIGNMENT:** |
| **WEEK 9,DAY1 ,DATE :26/02/2018(MONDAY)** |
| **B.Sc. IInd (med):** Nomenclature & structure of carbonyl group.  **B.Sc. IIIrd(med):** Chemical reactions of sulphonic acid, sulhonamides and sulphaguanidines.  **B.Sc. IInd ‘A’ Lab**: To detect the given organic compound. |
| **WEEK 9 ,DAY 2 ,DATE :27/02/2018(TUESDAY)** |
| **B.Sc. IInd (med):** synthesis of aldehydes & ketones.  **B.Sc. IIIrd(med**): Syntheticc detergents alkyl & aryl sulphonates. Discuss problems.  **B.Sc. IInd ‘A’ Lab**: Writing the experiment in practical file. |
| **WEEK 9,DAY 3 ,DATE :28/02/2018(WEDNESDAY)** |
| **VACATION -II** |
| **WEEK 9 ,DAY 4 ,DATE :01/03/2018(THURSDAY)** |
| **VACATION -II** |
| **WEEK 9,DAY 5 ,DATE :02/03/2018(FRIDAY)** |
| **VACATION -II** |
| **WEEK 9 ,DAY 6 ,DATE :03/03/2018(SATURDAY)** |
| **VACATION -II** |
| **WEEK 10** |
| **ASSIGNMENT:** |
| **WEEK 10,DAY1 ,DATE :05/03/2018(MONDAY)** |
| **B.Sc. IInd (med):** Advantage of oxidation of alcohols with chromium trioxide pyridinium chlorochromates.  **B.Sc. IIIrd(med):** Acidity of alpha-hydrogen alkylation of diethylmalonate & ethylacetoacetate.  **B.Sc. IInd ‘A’ Lab**: To detect given organic compound. |
| **WEEK 10,DAY 2 ,DATE :06/03/2018(TUESDAY)** |
| **B.Sc. IInd (med):** Reaction with pyridinium dichromate, Physical properties.  **B.Sc. IIIrd(med):** Synthesis of ethylacetoacetate : Claisen condensation.  **B.Sc. IInd ‘A’ Lab**: Writing experiment in practical file. |
| **WEEK 10,DAY 3 ,DATE :07/03/2018(WEDNESDAY)** |
| **B.Sc. IInd ‘B’ Lab:** To detect given organic compound.  **B.Sc. IInd ‘B’**: Nomenclature & structure of carbonyl group synthesis of aldehydes & ketones. |
| **WEEK 10,DAY 4 ,DATE :08/03/2018(THURSDAY)** |
| **B.Sc. IInd ‘B’ Lab**: Writing experiment in practical file.  **B.Sc. Ist ‘A’ Lab**: To prepare a sample of of pure camphor.(perform) |
| **WEEK 10,DAY 5 ,DATE :09/03/2018(FRIDAY)** |
| **B.Sc. Ist ‘A’,’B’**: Nomenclature and classification of dienes: isolated, conjugated & commulated dienes.  **B.Sc. Ist (med) Lab**: To prepare a sample of pure camphor.(demonstrate& perform) |
| **WEEK 10 ,DAY 6 ,DATE :10/03/2018(SATURDAY)** |
| **B.Sc. Ist ‘A’,’B’**: Structure of butadiene , chemical reaction-1,2 & 1,4 additions.  **B.Sc. Ist (med) Lab**: Writing experiment in practical file. |
| **WEEK 11** |
| **ASSIGNMENT:** |
| **WEEK 11,DAY1 ,DATE :12/03/2018(MONDAY)** |
| **B.Sc. IInd (med**): Comparison of reactivities of alehydes ketones.  **B.Sc. IIIrd(med):** Keto-enol tautomerism of ethyl acetoacetate.  **B.Sc. IInd ‘A’ Lab:** To study the distribution of iodine between water & carbontetrachloride. |
| **WEEK 11,DAY 2 ,DATE :13/03/2018(TUESDAY)** |
| **B.Sc. IInd (med):** Mechanism of nucleophillic addition to carbonyl group with particular on benzoin.  **B.Sc. IIIrd(med):** Test on above unit.  **B.Sc. IInd ‘A’ Lab**: Observation and calculation. |
| **WEEK 11,DAY 3 ,DATE :14/03/2018(WEDNESDAY)** |
| **B.Sc. IInd ‘B’ Lab**: To study the distribution of iodine between water & carbontetrachloride.  **B.Sc. IInd ‘B’**: Physical properties & chemical reactivities of aldehyde & ketones. |
| **WEEK 11,DAY 4 ,DATE :15/03/2018(THURSDAY)** |
| **B.Sc. IInd ‘B’ Lab**: Observation & calculation.  **B.Sc. Ist ‘A’ Lab**: Viva voice & file checking. |
| **WEEK 11,DAY 5 ,DATE :16/03/2018(FRIDAY)** |
| **B.Sc. Ist ‘A’,’B’**: Diels-Alders reaction, nomenclature, structure & bonding in alkynes.  **B.Sc. Ist (med) Lab**: viva voice and file checking. |
| **WEEK 11 ,DAY 6 ,DATE :17/03/2018(SATURDAY)** |
| **B.Sc. Ist ‘A’,’B’:** Methods of formation, chemical reaction of alkynes.  **B.Sc. Ist (med) Lab**: To prepare a pure sample of pthalic acid. |
| **WEEK 12** |
| **ASSIGNMENT:** |
| **WEEK 12,DAY1 ,DATE :19/03/2018(MONDAY)** |
| **B.Sc. IInd (med**): Aldol, Perkin & knoevenagel condensation.  **B.Sc. IIIrd(med):** Addition or chain-growth polymerization.  **B.Sc. IInd ‘A’ Lab**: Writing experiment in practical file. |
| **WEEK 12,DAY 2 ,DATE :20/03/2018(TUESDAY)** |
| **B.Sc. IInd (med):** Condensation with ammonia & its derivatives.  **B.Sc. IIIrd(med):** Free radical vinyl polymerization, ionic vinyl polymerization.  **B.Sc. IInd ‘A’ Lab:** viva voice and file checking.. |
| **WEEK 12,DAY 3 ,DATE :21/03/2018(WEDNESDAY)** |
| **B.Sc. IInd ‘B’ Lab**: Writing experiment in practical file.  **B.Sc. IInd ‘B’**: Aldol, Perin & Knoevenagel condensation. |
| **WEEK 12,DAY 4 ,DATE :22/03/2018(THURSDAY)** |
| **B.Sc. IInd ‘B’ Lab**: viva voice & file checking.  **B.Sc. Ist ‘A’ Lab:** To prepare a sample of pure Pthalic acid.(perform) |
| **WEEK 12,DAY 5 ,DATE :23/03/2018(FRIDAY)** |
| **Holiday on account of Shahidi diwas.** |
| **WEEK 12 ,DAY 6 ,DATE :24/03/2018(SATURDAY)** |
| **B.Sc. Ist ‘A’,’B’**: Acidity of alkynes, Mechanism of electrophillic and nucleophilic addition reaction.  **B.Sc. Ist (med) Lab**: Writing experiment in practical file. |
| **WEEK 13** |
| **ASSIGNMENT:** |
| **WEEK 13,DAY1 ,DATE :26/03/2018(MONDAY)** |
| **B.Sc. IInd (med):** Wittig reaction.  **B.Sc. IIIrd(med):** Ziegler-Natta Polymerization of vinyl polymers.  **B.Sc. IInd ‘A’ Lab**: viva preparation regarding organic compound. |
| **WEEK 13,DAY 2 ,DATE :27/03/2018(TUESDAY)** |
| **B.Sc. IInd (med**): Mannich reaction.  **B.Sc. IIIrd(med):** Conensation or step growth polymerization.  **B.Sc. IInd ‘A’ Lab**: viva voice |
| **WEEK 13,DAY 3 ,DATE :28/03/2018(WEDNESDAY)** |
| **B.Sc. IInd ‘B’ Lab**: viva preparation regarding organic compound.  **B.Sc. IInd ‘B’**: Wittig reaction. |
| **WEEK 13,DAY 4 ,DATE :29/03/2018(THURSDAY)** |
| **Holiday on account of Mahavir jayanti.** |
| **WEEK 13,DAY 5 ,DATE :30/03/2018(FRIDAY)** |
| **B.Sc. Ist ‘A’,’B’**: Hydroboration-Oxidation of alkynes.(ORAL TEST)  **B.Sc. Ist (med) Lab**: viva voice and file checking. |
| **WEEK 13 ,DAY 6 ,DATE :31/03/2018(SATURDAY)** |
| **B.Sc. Ist ‘A’,’B’**: Nomenclature & classes of alkyl halides, methods of formation.  **B.Sc. Ist (med) Lab**: To identify the given anions by means of paper chromatography. |
| **WEEK 14** |
| **ASSIGNMENT:** |
| **WEEK 14,DAY1 ,DATE :02/04/2018(MONDAY)** |
| **B.Sc. IInd (med)**: Oxidation of aldehydes  **B.Sc. IIIrd (med**): Polyesters, Polyamides, Phenol- formaldehyde resins.  **B.Sc. IInd ‘A’ Lab:** Revision of practical. |
| **WEEK 14,DAY 2 ,DATE :03/04/2018(TUESDAY)** |
| **B.Sc. IInd (med):** Baeyer-Villiger oxidation of ketones.  **B.Sc. IIIrd(med):** Urea formaldehyde resins, epoxyresins & Polyurethanes, Natural & synthetic rubbers.  **B.Sc. IInd ‘A’ Lab**: Revision of practical. |
| **WEEK 14,DAY 3 ,DATE :04/04/2018(WEDNESDAY)** |
| **B.Sc. IInd ‘B’ Lab**: Mannich Reaction.  **B.Sc. IInd ‘B’**: Revision of practical. |
| **WEEK 14,DAY 4 ,DATE :05/04/2018(THURSDAY)** |
| **B.Sc. IInd ‘B’ Lab**: Revision of practical.  **B.Sc. Ist ‘A’ Lab**: viva voice and file checking. |
| **WEEK 14,DAY 5 ,DATE :06/04/2018(FRIDAY)** |
| **B.Sc. Ist ‘A’,’B’**: Chemical reaction, Mechanisms and stereochemistry of nucleophillic substitution reaction of alkyl halides.  **B.Sc. Ist (med) Lab**: Writing experiment in practical file. |
| **WEEK 14 ,DAY 6 ,DATE :07/04/2018(SATURDAY)** |
| **B.Sc. Ist ‘A’,’B’:** SN2 & SN1 reaction with energy profile diagrams.  **B.Sc. Ist (med) Lab**: viva voice & file checking. |
| **WEEK 15** |
| **ASSIGNMENT:** |
| **WEEK 15,DAY1 ,DATE :09/04/2018(MONDAY)** |
| **B.Sc. IInd (med**): Cannizaro reaction  **B.Sc. IIIrd(med**): Classification of amino acid, Acid base behavior.  **B.Sc. IInd ‘A’ Lab:** To determine CST of phenol and water. |
| **WEEK 15,DAY 2 ,DATE :10/04/2018(TUESDAY)** |
| **B.Sc. IInd (med):** MPV, Clemmenson reaction.  **B.Sc. IIIrd(med):** Isoelectric point & electrophoresis preparation of alpha amino acids.  **B.Sc. IInd ‘A’ Lab**: Observation and calculation. |
| **WEEK 15,DAY 3 ,DATE :11/04/2018(WEDNESDAY)** |
| **B.Sc. IInd ‘B’ Lab**: To determine CST of phenol and water.  **B.Sc. IInd ‘B’**: Baeyer-Villiger oxidation of ketones. |
| **WEEK 15,DAY 4 ,DATE :12/04/2018(THURSDAY)** |
| **B.Sc. IInd ‘B’ Lab**: Observation & calculation.  **B.Sc. Ist ‘A’ Lab**: To identify the given anions by means of paper chromatography. |
| **WEEK 15,DAY 5 ,DATE :13/04/2018(FRIDAY)** |
| **B.Sc. Ist ‘A’,’B’**: Methods of formation & Reaction of aryl halides.  **B.Sc. Ist (med) Lab**: To identify the given cations by means of paper chromatography. |
| **WEEK 15 ,DAY 6 ,DATE :14/04/2018(SATURDAY)** |
| **Holiday on account of Vaisakhi & Dr B.R. Ambedkar’s Jayanti.** |
| **WEEK 16** |
| **ASSIGNMENT:** |
| **WEEK 16,DAY1 ,DATE :16/04/2018(MONDAY)** |
| **B.Sc. IInd (med):** Wolff- Kishner reaction.  **B.Sc. IIIrd(med):** Structure & nomenclature of peptide & protein  **B.Sc. IInd ‘A’ Lab**: Revision of practical. |
| **WEEK 16,DAY 2 ,DATE :17/04/2018(TUESDAY)** |
| **B.Sc. IInd (med):** NaBH4 & LiAlH4 reduction.  **B.Sc. IIIrd(med):** Classification, structure determination, end group analysis, selective hydrolysis of peptides.  **B.Sc. IInd ‘A’ Lab**: viva voice. |
| **WEEK 16,DAY 3 ,DATE :18/04/2018(WEDNESDAY)** |
| **Holiday on account of Maharshi Pasuram Jayanti** |
| **WEEK 16,DAY 4 ,DATE :19/04/2018(THURSDAY)** |
| **B.Sc. IInd ‘B’ Lab**: Revision of practical.    **B.Sc. Ist ‘A’ Lab**: To identify the given cations by means of paper chromatography. |
| **WEEK 16,DAY 5 ,DATE :20/04/2018(FRIDAY)** |
| **B.Sc. Ist ‘A’,’B’:** The addition elimination & the elimination addition mechanisms of nucleophillic aromatic substitution reaction.  **B.Sc. Ist (med) Lab**: writing experiment in practical file. |
| **WEEK 16 ,DAY 6 ,DATE :21/04/2018(SATURDAY)** |
| **B.Sc. Ist ‘A’,’B’**: Relative reactivities of alkyl halide Vs allyl.  **B.Sc. Ist (med) Lab**: viva voice and file checking. |
| **WEEK 17** |
| **ASSIGNMENT:** |
| **WEEK 17,DAY1 ,DATE :23/04/2018(MONDAY)** |
| **B.Sc. IInd (med):** Assignment on the above unit.  **B.Sc. IIIrd(med):** peptide synthesis, solid-phase peptide synthesis.  **B.Sc. IInd ‘A’ Lab**: Revision of practical. |
| **WEEK 17,DAY 2 ,DATE :24/04/2018(TUESDAY)** |
| **B.Sc. IInd (med**): Oral test.  **B.Sc. IIIrd(med):** Structure of peptide and proteins.  **B.Sc. IInd ‘A’ Lab**: Discuss problems. |
| **WEEK 17,DAY 3 ,DATE :25/04/2018(WEDNESDAY)** |
| **B.Sc. IInd ‘B’ Lab**: Revision of practical.  **B.Sc. IInd ‘B’:** NaBH4 & LiAlH4 reduction. |
| **WEEK 17,DAY 4 ,DATE :26/04/2018(THURSDAY)** |
| **B.Sc. IInd ‘B’ Lab:** Discuss problems.  **B.Sc. Ist ‘A’ Lab**: viva voice & file checking. |
| **WEEK 17,DAY 5 ,DATE :27/04/2018(FRIDAY)** |
| **B.Sc. Ist ‘A’,’B’**: Vinyl and aryl halides.  **B.Sc. Ist (med) Lab**: viva voice and file checking. |
| **WEEK 17 ,DAY 6 ,DATE :28/04/2018(SATURDAY)** |
| **B.Sc. Ist ‘A’,’B’:** Written test of unit-4.  **B.Sc. Ist (med) Lab:** Discuss problems. |
| **WEEK 18** |
| **ASSIGNMENT:** |
| **WEEK 18,DAY1 ,DATE :30/04/2018(MONDAY)** |
| **B.Sc. IInd (med):** Discuss problems.  **B.Sc. IIIrd(med):** Discuss problems & oral test.  **B.Sc. IInd ‘A’ Lab**: viva voice |