

2023-24 (odd)

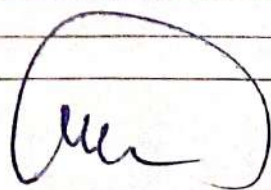
Lesson plan

Name-Satish Kumar

Class - B.Sc. III V semester

Subject-organic Chemistry (august to dec 2023)

Week/Month	Name of Topics
1 week august	Introduction to Principle of nuclear magnetic resonance, The PMR spectrum ,
2 week august	Number of signals, peak Areas, Equivalent and non equivalent protons positions of signals and chemical shift
3 week august	shielding and deshielding of protons proton counting, splitting of signals
4 week august	Coupling constants, magnetic equivalence of protons
1 week september	Discussion of PMR spectra of the molecules: ethyl bromide, n-propyl bromide, isopropyl bromide,
2 week september	1,1-dibromoethane, 1,1,2-tribromoethane., ethanol, Acetaldehyde, ethyl acetate, toluene,
3 week september	, benzaldehyde and acetophenone. Introduction to Classification and nomenclature
4 week september	Monosaccharides, mechanism of osazone formation, Interconversion of glucose and fructose,
1 week october	chain lengthening and chain shortening of aldoses. Configuration of monosaccharides. Erythro and threo diastereomers.
2 week october	Conversion of glucose in to mannose. Formation of glycosides, ethers and esters. Determination of ring size of glucose and fructose.
3 week october	. Open chain and cyclic structure of D(+)-glucose & D(-) fructose. Mechanism of mutarotation. Structures of ribose and deoxyribose
4 week october	An introduction to disaccharides (maltose, sucrose and lactose) and polysaccharides (starch and cellulose) without involving structure determination. Organomagnesium compounds:.
november	Grignard reagents-formation, structure and chemical reactions. Organozinc compounds: formation and chemical reactions. Organolithium compounds: formation and chemical reactions
	Revision and Class tests.



2023-24 (even)

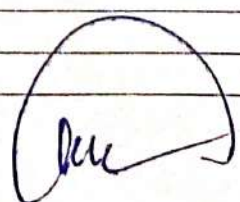
Lesson plan

Name-Safish Kumar

Class - B.A. II semester

Subject-MDC (chemistry )(2023-24) 2nd Semester

Week/Month	Name of Topics
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1 week feb	Renowned Indian Scientists, Hargobind khorana, Dr.P.C.Ray, Sir C.V.Raman.
2 week feb	C.N.R. Rao, Dr. Vikram sara Bhai , Dr. parffula Chandra Rao.
3 week feb	Dr.A.P.J Abdul Kalam Azad, Dr.Homijanagir Bhabha Dr.J.C Bose And Dr S.N.Bose
4 week feb	Metal and Non metals periodic table, classification of elements,
1 week March	Physical and chemical aspects of metal and Non metals
2 week March	Ore and minerals of iron, copper, aluminium Alloys
3 week March	Physical properties of matter classification of matter, properties and uses
4 week March	Ideal gas equation and real gas equation
1 week April	Some important compounds (Baking soda, washing soda, plaster of Paris, glass, gypsum
2 week April	Soil and fertilizers, green revolution Soil their components for fertility
3 week April	Grow condition , pH, irrigation, biofertilizer , chemical fertilizers and their uses , Acid rain
4 week April	Practicals - To prepare plaster of Paris, potash alum
May	To study the effect of acid on baking soda and washing soda, To perform the action of water on quick lime
	Revision and Class tests.



# Govt. College NarwanaJind

Week Wise Lesson Plan 2023-24Even 2<sup>nd</sup>Semester)

**Satish Kumar Extension Lecturer Computer Sci.(Skill enhancement course (SEC)BBA,BSc  
medical.BAHons)**

February	
Week 1	Operating system:- definition , functions, types of operating system, basic of popular operating systems. Practical
Week 2	The user interface, exploring computer, icons, taskbar, desktop, using menu and menu selection, managing files and folders. practical
Week 3	Control panel:- display properties, add / remove software and hardware, common utilities , practical
Week 4	Word processing:- introduction to word processing, menus creating ,editing and formatting, practical
March	
Week 1	Spell checking, printing, views, tables,Copying of cells mathematical , statistical and financial function, practical
Week 2	Word art, mail merge, macros, inserting hyperlinks, searching for text, practical
Week 3	Modifying page setup, applying document themes, applying document style sets, practical
Week 4	Inserting header and footers,Manipulation of cells:-inter text numbers and dates cell height and widths, practical
Week 5	Spreadsheet:- elements of electronics spreads sheets, applications creating and opening spreadsheet, menus, practical , Revision and Test
April	
Week 1	Mid term exam
Week 2	Types of presentation views , using sound ,Drawing different types of charts, sort and filters data, practical
Week 3	Animation , working with object, printing,Presentation software:- creating modifying and enhancing a presentation, practical
Week 4	Slide sorter view, inserting in built sound effect, inserting recorded sound effect, practical
Week 5	
May	
Week 1	Resizing and moving pictures , modifying pictures , adding clip art, work with word art
Week 2	Practical