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
Week/Month	Name of Topics
1week 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	Discuss ion of PMR spectra of the molecules: ethyl bromide, n-propyl bromide, isopropyl bromide,
2week september	1,1-dibromoethane, 1,1,2-tribromoethane., ethanol, Acetaldehyde, ethyl acetate, toluene,
3 week september	, benzaldehyde and acetophenone. Introduction toClassification and nomenclature
4 week september	Monosaccharides, mechanism of osazone formation, Interconversion of glucose and fructose,
1week 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 anddeoxyribose
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-Satish Kumar

Class - B.A. II semester

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

Week/Month	Name of Topics
Week/Month	Name of Topics
1week 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.Homijanhagir 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**
2week March	Ore and minerals of iron,cupper, 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
1week 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 2nd 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