KASIDIH HIGH SCHOOL

Aunit of JEM Foundation

Syllabus plan for year 2010-11

Subje	Subject:- <u>Informatics Practices</u>			:- <u>XI</u>
S.No	Name of Chapter	Topic		No.of
				periods
				required
				chapter
				wise
1.	UNIT – 1	FIRST T	ERM	8
	Computer system	i.	Evolution of computers.	
	and Business	ii.	Input, Output and Memory	
	Application	iii.	Computer software.	
		iv.	Operating system.	
		v.	Programming Language	
		vi.	Windows O/S	
		vii.	Accessories of Windows	
		viii.	Word processing basic.	
		ix.	Editing word doc.	
		х.	Using grammar and spell check.	
		xi.	Mail merge	
		xii.	Industries and Business computing	
2.	Unit – 3	i.	Database concept and ADO controls	2
	(RDBMS)	ii.	Introduction to Oracle.	3
		iii.	Starting with SQL.	5
		iv.	SQL select statement.	5
		v.	SQL function.	4
		vi.	Multiple Table & Sub-Queries.	5
		vii.	Creating views	3
3.	Unit – 2	SECONI		
	(JAVA)	i.	Getting started with programming	8
			using IDE.	
		ii.	Programming fundamentals.	5
		iii.	Variables.	4
		iv.	Control Structure.	8
		v.	Programming guidelines.	8
		vi.	UNIT – 1	2
		vii.	UNIT – 3	2
4.	Unit – 4	THIRD		
		i.	e-Governance	4
		ii.	e-Business	3
		iii.	e-Learning	3
		iv.	UNIT – 1	2
		v.	UNIT – 2	6
		vi.	UNIT – 3	4

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Syllabus plan for year 2010-11

Subje	ct:- <u>Informatics Practi</u>	•	Std	:- <u>XII</u>
S.No	Name of chapter	Topic		No.of
	1			periods
				required
				chapter
				wise
1.	UNIT -1	FIRST T	TERM_	
	Business	i.	Open source software.	1
	Computing	ii.	Business computing.	2
		iii.	Program development Methodology.	1
		iv.	Relational database concept.	1
		v.	Computer Networking.	2
		vi.	Open source concepts.	2
2.	UNIT – 2	i.	Access specifier for classes.	4
	JAVA	ii.	Members and methods	5
		iii.	Concept of package.	3
		iv.	Inheritance	5
		v.	Methods overloading	2
		vi.	Abstraction and interfaces.	3
3.	UNIT – 3	i.	Review of class XI	2
	RDBMS	ii.	Database Fundamentals.	1
4.	UNIT – 4	i.	Review of class XI	2
	IT Application	ii.	Front-end interface	2
		iii.	Back-end database	2
		iv.	Front-end and database	2
			Connectivity.	
5.	Unit – 1	SECON	<u>D TERM</u>	
	Business	i.	Review of first term.	3
	Computing			
6.	UNIT – 2	i.	Commonly used libraries function.	8
	JAVA	ii.	Math objects	4
		iii.	Simple GUI objects Using (ODBC)	6
		iv.	Web application Development.	3
		v.	HTML based web pages.	3
7.	Unit – 3		view of first term.	3
8.	Unit – 4	i. Rev	view of first term	3
9.	Solving of (CBSE)	THIRD TERM		
	Sample Papers	i.	Practical Paper	4
		ii.	Model test paper	4

	iii.	Sample papers	4
	iv.	Full review	10

KASIDIH HIGH SCHOOL Aunit of JEM Foundation Syllabus plan for year 2010-11

Subject:- <u>Chemistry</u> Std:- <u>XI</u>

Subject:- <u>Chemistry</u>			Std:- <u>XI</u>	
S.No	Name of Chapter	Topic		No. of periods
				required
				chapter
				wise
1.	Some basic	i.	Introduction, laws of chemical	
	concepts of		combination. Dalton's atomic	
	chemistry		Theory.	4
		ii.	Elements and compound, writing	1
			formula.	
		iii.	AMU, mole concept.	2
		iv.	% composition, Empirical and	2
			nolecular forlula.	
		v.	Stoichiometry meluding titration.	6
2.	Structure of Atom	i.	Discovery of electron, proton and	2
			neutron in brief, isotopes, isobar's	
			and isotonic Rutherfords model.	
		ii.	Bohr model and atomic spectrum.	3
		iii.	Dual nature of matter- planck's	
			Quantum.	2
		iv.	De Brogue's concept, uncertainity	
			principal.	2
		v.	Quantum number, Aufbar principal,	
			law's, principle, hund's rule.	4
		vi.	Electron configuration stability of	
			half filled and completely filled	2
	G1 101 1 2		orbtals.	
3.	Classification of	i.	Historical development upto modern	
	elements and		P.T, Electronic lay out of long form	3
	periodicity		of P.T.	
		ii.	Periodic trends in props of elements	_
			– atomic radu, ionic radu, inert gas	5
			radu, Inisation enthalpy, electron	
			gain enthalpy, electronegativity,	
1	Chamical handings	i.	valency.	
4.	Chemical bondings	1.	electronic theory of bonding, bond	

	and molecular		peorametres, lawis structure, polar	6
	structure.		and non-polar bonds, dipote	0
	Structure.		moment, resonance.	
		.:	•	
		ii. 	VSEPR model	$\begin{bmatrix} 2 \\ 2 \end{bmatrix}$
		iii.	VBT-hybridation	3
		iv.	MOT-theory of homonuclear	3
			diatomic molecules.	
		V.	Intermolecular forces-hydrogen bond.	2
5.	States of matter	i.	Introduction, gas laws-Boyle's laws,	
] 3.	States of matter	1.	charle's laws, gay-cussaus law,	8
			Avogatro's laws, equation of states,	
			palton's law ofpartal pressures	
		.:	compressibility factor.	
		ii.	Ideal and real gass. Deviation from	,
			ideal behavior and its cause, vander	3
			waal's equation.	
		iii.	Liquefaction of gasses, critical temp.	1
		iv.	Liquid state-vapour press, viscosity,	2
			surface tention.	
6.	Thermodynamics	i.	Concept of systems, surroundings,	
			extensive of intensive properties,	3
			state functions work, heat, energy.	
		ii.	First law – internal energy, eathalpy,	
			heat capacity, measurement of Δu	3
			and ΔH .	
		iii.	Thermo Chemistry ΔrH , ΔfH ,	
			Δ combH, Δ heatH, bond enthalpy,	5
			heat of sublimation and atomization,	
			phase transition, dilution.	
		iv.	Entropy-spontaneous and non-	4
			spontaneous processes, Gibb's	
			function and equilibrium.	
7.	Equilibrium	i.	Equilibrium in physical and	1
''		"	chemical processes.	-
		ii.	Law of mass action.	1
		iii.	Equilibrium constant, kp & ks.	3
		iv.	Factors influencing equilibrium be	
		14.	chaters principle.	$ $
		17	Ionic equilibrium. Degree of	1
		V.	conisation.	1
				,
		vi.	Acids and bases- different concepts.	$\begin{bmatrix} 2 \\ 4 \end{bmatrix}$
		vii.	Concept of salts, buffer solution,	4
	D 1 1 1		solving product, common can effect.	
8.	Redox reductions	i.	oxidation saltes, modern concepts of	3

	1			
			oxidation and xduction, redox	
			reaction, balancing redox xctions.	2
		ii.	Application.	
9.	Hydrogen	i.	Position in P.T, isotopes-	
			preparation, propertees and uses,	4
			hydrogen-economy hybrides.	
		ii.	Water-structure, properties, hardness	2
			of water and its removal.	
		iii.	Deuterium oxide, hydroges	2
			peroxide.	_
10.	S-blok elements	i.	General introduction.	1
10.	S STOR CICINCING	ii.	Group-1 discussion w.r.t physical	4
		11.	and chemical properties including	'
			compound oxides and hydroxides,	
			halides, okosalts anomalous nature	
			and diagonal relationship of li.	
		iii.	group-2, discussion w.r.t physical	4
		111.	and chemical properties including	+
			compound (oxides and hydroxides,	
			± .	
			holides, oxosalts) anovalous mature	
		•	and diagonal relationship of Be.	
		iv.	Compounds- preparation, propertiec	2
			and uses of Na ₂ co ₃ , Nacl, NaOH,	
			NaHCO ₃ , Cao,CaCo ₃ .	
		V.	Biological importance of Na, K, Mg,	1
			Ca.	
11.	p-block elements	i.	Introduction, inert pair effect.	1
		ii.	gr-13: periodicity w.r.t physical and	
			chemical props including	2
			compounds.	
		iii.	Boron-props, borak, boric acid,	3
] .	boranes.	
		iv.	Aluminum-reactions and uses.	1
		v.	Gr-14: periodicity w.r.t physical	
			and chemical props including	2
			compounds.	
		vi.	Carbon – catenation, allotrops,	3
			props. Oxides(Co,Co ₂).	
		vii.	Silicon-sicl ₄ , silica, silicons,	3
			silicates, zeolites.	
12.	Basic principals	i.	O.Sc, nature of bonding,	
	and techniques in		classifaction, functional group,	3
	organic chemistry		homogeneous series.	
		ii.	LUPACS	3

		iii.	Isomerism	2
		iv.	Electron displacement effects LI	-
		2,,,	effect, E-effect, M-effect and	4
			hyperconjigation.	
		v.	Hemolytic and heterolytic fission,	
			free radicals, C+-ion, C—ion and	2
			carbenes.	
		vi.	Type of organic reactions.	2
		vii.	Qualitative and quantitative analysis	4
		, ==,	of o.c.s.	
13.	Hydrocarbons	i.	alkanes-naming, conformations,	
			methods of preparation and	5
			properties-mechanism of SF-	
			reactions.	
		ii.	Alkenes – naming, isomerism,	
			preparatvin and properties –	4
			mechanism of addition	
			reactions(markownikoff's rule and	
			perokide effect).	
		iii.	Alkynes-naming, isomerism,	
			preparation and properties. Aromatic	4
			hydrocarbons-St.of benzere,	
			aromaticity. Prep2 and	
			propsmechanism of SE-reaction	
			directive influence of group.	
14.	Enviornmental	i.	pollution- air, water and	
	chemistry		soilpollution, ozone depletion, acid	6
			rain, snog, green house effect, green	
			chemistry control of pollution.	