Online Class Program (OCP) Chemistry Road Map for Term-I ( 2020-2021) wef.01 jul 2020

CHAPTE R         SUB TOPIC R         CHAPTE R         SUB TOPIC R         CHAPTE R         SUB TOPIC R           01.Jul.20 02.Jul.20 04.Jul.20 04.Jul.20 04.Jul.20 06.Jul.20 06.Jul.20 06.Jul.20 06.Jul.20 06.Jul.20 06.Jul.20 06.Jul.20 06.Jul.20 06.Jul.20 06.Jul.20 07.Jul.20 07.Jul.20 07.Jul.20 08.Jul.20 08.Jul.20 08.Jul.20 08.Jul.20 09.Jul.20 09.Jul.20 09.Jul.20 09.Jul.20 09.Jul.20 09.Jul.20 09.Jul.20 09.Jul.20 09.Jul.20 09.Jul.20 09.Jul.20 09.Jul.20 09.Jul.20 09.Jul.20 09.Jul.20 09.Jul.20 09.Jul.20 09.Jul.20 09.Jul.20 00.Jul.20 09.Jul.20 00.Jul.20	Date		12(CHEMISTRY)	11(CHEMISTRY)		
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01.Jul 20		R		R		
02_Jul_20       04_Jul_20       04_Jul_20       04_Jul_20       04_Jul_20       04_Jul_20       06_Jul_20       UNIT 4:VsePR theory         07_Jul_20       06_Jul_20       06_Jul_20       06_Jul_20       UNIT 4:VsePR theory       UNIT 4:VsePR theory         08_Jul_20       06_Jul_20       06_Jul_20       06_Jul_20       UNIT 4:VsePR theory       UNIT 4:VsePR theory         08_Jul_20       06_Jul_20       06_Jul_20       UNIT 4:VsePR theory       UNIT 4:VsePR theory         08_Jul_20       06_Jul_20       06_Jul_20       UNIT 4:Store theory       UNIT 4:Hobridisation         09_Jul_20       06_Jul_20       06_Jul_20       UNIT 4:Hobridisation       UNIT 4:Hobridisation         09_Jul_20       06_Jul_20       UNIT 4:Hobridisation       UNIT 4:Hobridisation       UNIT 4:Hobridisation         11_Jul_20       USes and environmental effects of - dichloromethane, tholoromethane, tholoromethane, tholoromethane, tholoromethane, tholoromethane, dichloromethane, tholoromethane,       06_Jul_20       3.1 Why do we need to classify elements         14_Jul_20       07_Jul_20       07_Jul_20       07_Jul_20       07_Jul_20       07_Jul_20       07_Jul_20       07_Jul_20       07_Jul	01.Jul.20			0	UNIT4:Kossel lewis approach to	
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04.Jul 20       estimation of substitution reactions, optical rotation       estimation of substitution reactions, optical rotation       UNIT 4:VSEPR theory         06.Jul 20       estimation of substitution reactions, optical rotation       UNIT 4:VSEPR theory       UNIT 4:VSEPR theory         07.Jul 20       mechanism of substitution reactions, optical rotation       UNIT 4:VSEPR theory       UNIT 4:VSEPR theory         07.Jul 20       mechanism of substitution reactions, optical rotation       UNIT 4:VSEPR theory       UNIT 4:VSEPR theory         08.Jul 20       mechanism of substitution reactions, optical rotation       UNIT 4:VSEPR theory       UNIT 4:VSEPR theory         09.Jul 20       mechanism of substitution reactions, Optical rotation       UNIT 4:Hybridisation       UNIT 4:Hybridisation         09.Jul 20       mechanism of cX bond, substitution reactions, Directive influence of halogen in monosubstituted compounds only).       UNIT 4:Hybridisation       UNIT 4:Hybridisation         10.Jul 20       Uses and environmental effects of -       UNIT 4:Hybridisation       UNIT 4:Hybridisation         11.Jul 20       Uses and environmental effects of -       UNIT 4:Hybridisation       UNIT 4:Hybridisation         13.Jul 20       Etherse incomentance, thotoromethane, icdoform, freons, DDT.       INIT 4:Hybridisation disperimins, methods of preparation, mysical and chemical properties, assification       3.4 Nomenclature of elements         14.Jul 20	02.Jul 20	1	priysical and chemical properties,		I INITA:Bond parameters	
04.Jul 20       mechanism of substitution reactions, optical rotation       mechanism of substitution reactions, optical rotation         06.Jul 20       mechanism of substitution reactions, optical rotation       UNIT 4: Valence bond theory         07.Jul 20       mechanism of substitution reactions, optical rotation       UNIT 4: Hybridisation         08.Jul 20       mechanism of substitution reactions, Optical rotation       UNIT 4: Hybridisation         09.Jul 20       monosubstitute compounds only).       UNIT 4: Hybridisation         09.Jul 20       monosubstitute compounds only).       UNIT 4: Hybridisation         10.Jul 20       uses and environmental effects of -       UNIT 4: Hybridisation         11.Jul 20       USEs and environmental effects of -       UNIT 4: Hybridisation         12.Jul 20       USEs and environmental effects of -       UNIT 4: Hybridisation         13.Jul 20       methods of preparation, physical and chemical properties       3.1 Why do we need to classify elements         14.Jul 20       g       g       g       g         15.Jul 20       g       g       g       g         14.Jul 20       g       g       g       g       g         14.Jul 20       g       g       g       g       g       g         14.Jul 20       g       g	03.301.20	-				
Ub.Jul 20       06 Jul 20       mechanism of substitution reactions, optical rotation       UNIT 4:Valence bond theory         07 Jul 20       mechanism of substitution reactions, optical rotation       UNIT 4:Valence bond theory         08 Jul 20       mechanism of substitution reactions, optical rotation       UNIT 4:Valence bond theory         08 Jul 20       Haloarenes: Nature of C-X bond, substitution reactions (Directive influence of halogen in monosubstituted compounds only).       UNIT 4:Hybridisation         10 Jul 20       Haloarenes: Nature of C-X bond, substitution reactions (Directive influence of halogen in monosubstituted compounds only).       UNIT 4:Hybridisation         11 Jul 20       UNIT 4:Hybridisation       UNIT 4:Hybridisation         12 Jul 20       UNIT 4:Hybridisation       UNIT 4:Hybridisation         13 Jul 20       UNIT 4:Explored theory       UNIT 4:Hybridisation         14 Jul 20       Image: set of the theory indication of primary, secondary and tertiary alcohols, in properties, set of the theory indication of delydration, uses with special reference to methana in properties, action action and types of elements       3.4 Nomenclature of elements         18 Jul 20       Image: set of primary, secondary and tertiary alcohols, in properties, action function and types of elements       3.6 Electronic configuration and types of elements         19 Jul 20       Image: set of primary, secondary and tertiary alcohols, in properties, action ses of prenols.       3.7 Periodic trends in properties of	04.Jul.20	-	mechanism of substitution reactions, optical rotation	<u>م</u> ح ۵۵		
06.Jul 20       is mechanism of substitution reactions, optical rotation       Image: construct of C-X bond, substitution         07.Jul 20       mechanism of substitution reactions, Optical rotation       UNIT 4:Hybridisation         08.Jul 20       monosubstituted compounds only).       UNIT 4:Hybridisation         09.Jul 20       monosubstituted compounds only).       UNIT 4:Hybridisation         10.Jul 20       monosubstituted compounds only).       UNIT 4:Hybridisation         11.Jul 20       UNIT 4:Hybridisation       UNIT 4:Hybridisation         11.Jul 20       USEs and environmental effects of - dichloromethane, icholoromethane, icholoro	05.Jul.20	es		<u>ب</u>	LINUT AN (classes based theory)	
07.Jul.20       Tablatarenes: Nature of C-X bond, substitution monosubstituted compounds only).       UNIT 4:Hybridisation         08.Jul.20       Haloarenes: Nature of C-X bond, substitution reactions (Directive influence of halogen in monosubstituted compounds only).       UNIT 4:Hybridisation         09.Jul.20       Haloarenes: Nature of C-X bond, substitution reactions (Directive influence of halogen in monosubstituted compounds only).       UNIT 4:Hybridisation         10.Jul.20       Uses and environmental effects of - dichloromethane, irichloromethane, tetrachloromethane, irichloromethane, incomethane, tetrachloromethane, irichloromethane, isodoform, freons, DDT.       UNIT 4:Hybridisation         12.Jul.20       S       S       S         14.Jul.20       S       S       S         15.Jul.20       S       S       S         16.Jul.20       regent       S       S         17.Jul.20       regent       S       S         18.Jul.20       regent       Acohols: Nomenclature, methads of preparation, physical and chemical properties, acidic nature of phenols.       S       Electronic configuration and types of elements         12.Jul.20       S       S       Electronic configuration and types of elements       S       S Electronic configuration and types of elements         13.Jul.20       S       S       Electronic configuration and types of elements       S       S Electronic c	06.Jul.20	oaren	mechanism of substitution reactions, optical rotation	CHEMICAL BONDING AND MOLECULAR ST		
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10.Jul.20       Uses and environmental effects of - dichloromethane, tirchloromethane, eterachloromethane, icholorom, freons, DDT.       UNIT 4:Bonding in homonuclear diatomic molecule         11.Jul.20       Uses and environmental effects of - dichloromethane, tirchloromethane, tetrachloromethane, icholorom, freons, DDT.       UNIT 4:Hydrogen bonding         12.Jul.20       Image: segment of the section of the sec	09.Jul.20	Halo	Haloarenes: Nature of C-X bond, substitution reactions (Directive influence of halogen in monosubstituted compounds only).		UNIT 4:Molecular orbital theory	
11.Jul.20       Uses and environmental effects of - dichloromethane, iodoform, freons, DDT.       UNIT 4:Hydrogen bonding         12.Jul.20       iterachloromethane, iodoform, freons, DDT.       3.1 Why do we need to classify elements         13.Jul.20       iterachloromethane, iodoform, freons, DDT.       3.1 Why do we need to classify elements         14.Jul.20       iterachloromethane, iodoform, freons, DDT.       3.1 Why do we need to classify elements         15.Jul.20       iterachloromethane, iodoform, freons, DDT.       3.3 Modern periodic classification         16.Jul.20       iterachloromethane, inchloromethane, methods of preparation, physical and chemical properties identification of primary, secondary and tertiary alcohols,       3.4 Nomenclature of elements with atomic no>100         19.Jul.20       identification of primary, secondary and tertiary alcohols,       identification and types of elements         21.Jul.20       imechanism of dehydration, uses with special reference to methanol and ethanol.       identification and types of elements         21.Jul.20       imechanism of dehydration, uses set of phenol, electrophillic substitution reactions, uses of phenol, electrophillic substitution reactions, uses of phenol, electrophillic substitution reactions, uses of phenols, eses       UNIT 5:Intermolecular forces         24.Jul.20       imericature, methods of preparation, physical and chemical properties, uses       UNIT 5:Intermolecular forces vs thermal interaction         25.Jul.20       imereficing in properties, uses<	10.Jul.20		Uses and environmental effects of - dichloromethane, trichloromethane, tetrachloromethane, iodoform, freons, DDT.		UNIT 4:Bonding in homonuclear diatomic molecule	
12.Jul.20       Image: Second Se	11.Jul.20		Uses and environmental effects of - dichloromethane, trichloromethane, tetrachloromethane, iodoform, freons, DDT.		UNIT 4:Hydrogen bonding	
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14.Jul.20       Image: Segure of the segure of the secure the secure of the secure the secure of the s	13.Jul.20	T	SION	TS AND PERIODICITY	3.1 Why do we need to classify elements	
15.Jul.20       Image: Section of the sec	14.Jul.20	Haloalkanes and Haloarenes	ION		3.2 Genesis of periodic classification	
16.Jul.20Nomenclature, methods of preparation, physical and chemical propertiesNomenclature, methods of preparation, physical and chemical propertiesNomenclature, methods of preparation, physical and chemical propertiesNomenclature, methods of preparation, physical and chemical properties, acidic nature of phenol, electrophillic substitution reactions, uses of phenols.Nomenclature, methods of preparation, physical and chemical properties, acidic nature of phenol, electrophillic substitution reactions, uses of phenols.Nomenclature, methods of preparation, physical and chemical properties, usesNomenclature usesNomenclature uses24.Jul.20Nomenclature, methods of preparation, physical and chemical properties, usesUNIT 5:Intermolecular forces vs thermal interactionUNIT 5:Intermolecular forces vs thermal interaction25.Jul.20Nomenclature, methods of preparation, physical and chemical properties, usesNIT 5:Intermolecular forces vs thermal interactionUNIT 5:Intermolecular forces vs thermal interaction26.Jul.20Nomenclature, methods of preparation, physical and chemical properties, usesNIT 5:Intermolecular forces vs thermal interaction	15.Jul.20		DICUSSION		3.3 Modern periodic table and its present form	
17.Jul.20Image: Constraint of the second of the	16.Jul.20	ls, and	Alcohols: Nomenclature,	ON OF ELEMEN	3.4 Nomenclature of elements with atomic no>100	
18.Jul.20       identification of primary, secondary and tertiary alcohols,       identification of primary, secondary and tertiary alcohols,       identification of primary, secondary and tertiary alcohols,         19.Jul.20       mechanism of dehydration, uses with special reference to methanol and ethanol.       if i	17.Jul.20	Icohol enols a Ethers	methods of preparation, physical and chemical properties		3.5 Electronic configuration of elements	
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23.Jul.20       Ethers: Nomenclature, methods of preparation, physical and chemical properties, uses       UNIT 5:Intermolecular forces         24.Jul.20       Solution of the state in the state	22.Jul.20		acidic nature of phenol, electrophillic substitution reactions, uses of phenols.		3.7 Periodic trends in properties of elements	
24.Jul.20       Image: Constraint of the sector of the secto	23.Jul.20		Ethers: Nomenclature, methods of preparation, physical and chemical properties, uses		UNIT 5:Intermolecular forces	
25.Jul.20       Ethers: Nomenclature, methods of preparation, physical and chemical properties, uses       UNIT 5:Intermolecular forces vs thermal interaction         26.Jul.20       Image: Comparent co	24.Jul.20		Ethers: Nomenclature, methods of preparation, physical and chemical properties, uses		UNIT 5:Thermal energy	
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	27.Jul.20	°, °,	Z	lË	UNIT 5:Gaseous law	

28.Jul.20	Alcohol: Phenol: and Ethe	REVISIC	ES OF M/	UNIT 5:ideal gas equation
29.Jul.20		Amines: Nomenclature, classification, structure,	STATE	UNIT 5:Kinetic molecular theory of gas
30.Jul.20	nes	methods of preparation, physical and chemical properties,		UNIT 5:Deviation from ideal gas behaviour
31.Jul.20	Amii	uses, identification of primary, secondary and tertiary amines.		UNIT 5:liquification of gas
01.Aug.20		uses, identification of primary, secondary and tertiary amines.		UNIT 5:liquid state
02.Aug.20				
03.Aug.20		Cyanides and Isocyanides - will be mentioned at relevant places in text.		UNIT 6:Thermodynamic state
04.Aug.20		Cyanides and Isocyanides - will be mentioned at relevant places in text.	]	UNIT 6:Application
05.Aug.20	nes	Diazonium salts: Preparation,	S	UNIT 6:Application
06.Aug.20	Ami	Diazonium salts: Preparation,	NIC N	UNIT 6:Calorimetry
07.Aug.20		chemical reactions and importance in synthetic organic chemistry	YNAN	UNIT 6:Calorimetry
08.Aug.20		chemical reactions and importance in synthetic organic chemistry	RMOE	UNIT 6:Enthalpy change
09.Aug.20			Ξ	
10.Aug.20	pu	Aldehydes and Ketones: Nomenclature,	⊢  -]	UNIT 6:Enthalpy change
11.Aug.20	nes a	nature of carbonyl group,	MICA	UNIT 6:enthalpy of different type of reaction
12.Aug.20	eto	methods of preparation,	lΗ	UNIT 6:Spontaneity
13.Aug.20	м́ Х	physical and chemical properties,	0	UNIT 6:Spontaneity
14.Aug.20	hyde	mechanism of nucleophilic addition,		UNIT 6:Gibbs change energy and equilibrium
15.Aug.20	Alde	reactivity of alpha hydrogen in aldehydes, uses.		UNIT 6:Gibbs change energy and equilibrium
16.Aug.20				
17.Aug.20	and	reactivity of alpha hydrogen in aldehydes, uses.		UNIT 7:Equilibrium in physical process
18.Aug.20	tones Acids	reactivity of alpha hydrogen in aldehydes, uses.		UNIT 7:Equilibrium in chemical process
19.Aug.20	s, Ket xylic ,	Carboxylic Acids: Nomenclature,		UNIT 7:Law of chemical equilibrium
20.Aug.20	yde arbc	Carboxylic Acids: Nomenclature,		UNIT 7:Homogeneous equilibrium
21.Aug.20	Caller	acidic nature,		UNIT 7:Heterogeneous equilibrium
22.Aug.20	Alc	methods of preparation,	NUM	UNIT 7:Application of equilibrium constant
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24.Aug.20	Due	methods of preparation,	5	:Relationship between K,Q,C
25.Aug.20	, Keto	physical and chemical properties; uses	EQ	UNIT 7:Factors affecting equilibrium
26.Aug.20	hydes	physical and chemical properties; uses		UNIT 7:Ionic equilibrium in solution
27.Aug.20	Alder	SION		UNIT 7:Acid ,base and salt
28.Aug.20	mical	Rate of a reaction (Average and instantaneous),		UNIT 7: Ionisation of acid and base
29.Aug.20	Che	factors affecting rate of reaction: concentration, temperature, catalyst;		UNIT 7:Solubility equilibria of Sparingly soluble salt
30.Aug.20				
31.Aug.20		order and molecularity of a reaction,	]	:Oxidation and reduction reaction
01.Sep.20	etice	rate law and specific rate constant,	]	:Oxidation and reduction reaction
02.Sep.20	al Kine	integrated rate equations and half-life		Redox reaction in terms of electron transfer
03.Sep.20	emice	integrated rate equations and half-life (only for zero and first order reactions),	NOI	:Redox reaction in terms of electron transfer

04.Sep.20	Ū	concept of collision theory (elementary idea,	5	Oxidation number
05.Sep.20		Activation energy, Arrhenius equation.	ZE/	:Oxidation number
06.Sep.20			X	
07.Sep.20	Chemi cal Kinetic	REVISION	REDO	:Redox reaction and electrode process
08.Sep.20		Adsorption - physisorption and chemisorption, factors affecting adsorption of gases on solids,		:Redox reaction and electrode process
09.Sep.20	nistry	catalysis, homogenous and heterogenous activity and selectivity;		:Position of hydrogen in periodic table
10.Sep.20	Cher	enzyme catalysis colloidal state distinction between true solutions, colloids and suspension;		:Dihydrogen
11.Sep.20	urface	lyophilic, lyophobic multi-molecular and macromolecular colloids;		:Preparation of dihydrogen
12.Sep.20	ดั	properties of colloids; Tyndall effect, Brownian movement, electrophoresis, coagulation, emulsion - types of emulsions.	OGEN	:Properties of dihydrogen
13.Sep.20			DR(	
14.Sep.20	iemistry	properties of colloids; Tyndall effect, Brownian movement, electrophoresis, coagulation, emulsion - types of emulsions.	Н	:Hydrides
15.Sep.20	urface Cr	properties of colloids; Tyndall effect, Brownian movement, electrophoresis, coagulation, emulsion - types of emulsions.		:Water
16.Sep.20	ເດັ	REVISION		