

MDCAT/ LMDCAT (Phase I)		5th June 2020 Session		SCHEDULED LIVE REVIEW LECTURES & EXERCISE SOLUTIONS KETS (FROM CAMPUSES)				LIVE Q&A & GROUP DISCUSSIONS	
REVISED ON 28 JUNE 2020									
DAY #	DATE	DAY	BIOLOGY	PHYSICS	CHEMISTRY	ENGLISH			
1	10-06-20	Wednesday	ORINATION (INTRODUCTION & GUIDELINES)	ORINATION (INTRODUCTION & GUIDELINES)	ORINATION (INTRODUCTION & GUIDELINES)	ORINATION (INTRODUCTION & GUIDELINES)			
2	11-06-20	Thursday	<u>TOPIC-1 THE CELL (CH. 4)</u> Microscopy, Plant and Animal Cell, Prokaryotic and Eukaryotic Cell, Plasma Membrane	<u>TOPIC-1 MEASUREMENTS (CH. 1)</u> Physical Quantities, International System of Units, Convention for Indicating Units	<u>TOPIC 1A</u> <u>FUNDAMENTAL CONCEPTS (CH 1+9)</u> Relative Masses, Isotopes, Mole, Avogadro's Number	Agreement Mistakes			
14-06-20		Sunday		HOLIDAY					
3	15-06-20	Monday	Nucleus, Ribosomes, Endoplasmic Reticulum, Golgi Apparatus, Lysosomes, Vacuoles	Errors and Uncertainties, Precision and Accuracy, Assessment of Total Uncertainty in the Final Result	Empirical & Molecular Formulae, Stoichiometric Calculations	Agreement Mistakes			
4	16-06-20	Tuesday	Centriole, Cytoskeleton (Microtubules), Mitochondria, Chloroplast	<u>TOPIC-2 MOTION AND FORCE (CH. 2+3)</u> Distance and Displacement, Speed and Velocity, Acceleration, Velocity Time Graph, Equations of Uniformly Accelerated Motion,	Concentration Units of Solutions, Percentage Composition, Molarity, Mole Fraction	Sentence Completion			
5	17-06-20	Wednesday	<u>TOPIC-2 BIOLOGICAL MOLECULES (CH. 2+3)</u> Biological Molecules Importance of Water, Carbohydrates	Impulse, Elastic and Inelastic Collisions, Projectile Motion, Application to Ballistic Missiles	<u>TOPIC 2A</u> <u>STATES OF MATTER (CH 3 + 4)</u> Gaseous State, General Gas Equation (PV=n RT)	Sentence Completion			
6	18-06-20	Thursday	Lipids, Proteins, Nucleic Acid	Torque, Equilibrium, Equilibrium of forces & Torques	Liquid State, Evaporation, Vapor Pressure, Boiling, Structure of Ice				
21-06-20		Sunday		HOLIDAY					
7	22-06-20	Monday	Introduction to Enzymes Characteristics of Enzymes Mechanism of Enzyme action Factors Affecting The Rate of Enzymatic Action, Enzyme Inhibitors	<u>TOPIC-3</u> <u>WORK AND ENERGY (CH. 4)</u> Work Done by a Constant Force & a Variable Force, Power, Work-Energy Principle	Lattice Structure of a Crystalline Solid	Vocabulary UHS Words (1-25)			
8	23-06-20	Tuesday	<u>TOPIC-3 CHROMOSOME & DNA (CH. 20)</u> Chromosome, DNA Replication (Models), The Meselson-Stahl Experiment, The Replication Process	<u>TOPIC-4</u> <u>CIRCULAR MOTION (CH. 5)</u> Angular Displacement, Velocity & Acceleration, Relation of Linear and Angular Quantities	<u>TOPIC 3A</u> <u>ATOMIC STRUCTURE (CH 5)</u> Proton, Neutron and Electron, Distribution of Mass & Charges, Deduce the Number of Z, n and e- from Given Z and A Values, Shape of s, p and d-Orbitals	Combination Mistakes			
9	24-06-20	Wednesday	Role of RNA, Transcription	Centripetal Force, Vertical Circle, Geostationary Orbits	Electronic Configuration, Ionization Energy, Electron Affinity	Combination Mistakes			
10	25-06-20	Thursday	Genetic Code, Translation	<u>TOPIC-5</u> <u>OSCILLATION (CH. 7)</u> SHM and Oscillations, Amplitude, Time Period, Frequency and Angular Frequency, Vibration, SHM and Uniform Circular Motion, Instantaneous Displacement, Velocity & Acceleration, Phase	<u>TOPIC 4A</u> <u>CHEMICAL BONDING (CH 6)</u> Ionic (Electrovalent) Bond, Use the "dot and cross" Model for Covalent & Co-ordinate (Dative Covalent) Bonding, Shapes and Bond Angles of Molecules				
28-06-20		Sunday		HOLIDAY					
11	29-06-20	Monday	<u>TOPIC-4 CELL DIVISION (CH. 21)</u> Interphase, Mitosis, Importance of Mitosis	A Horizontal Mass Spring System, Simple Pendulum & Second's Pendulum	Covalent Bonding (VBT), Bond Energy, Bond Length & Bond Polarity, Intermolecular Forces (especially Hydrogen Bonding), Interpret and Predict Effect of Bonding on Physical Properties	Vocabulary UHS Words (26-50)	BIOLOGY TOPIC-4 <u>CELL DIVISION (CH. 21)</u>	CHEMISTRY TOPIC 4A <u>CHEMICAL BONDING (CH 6)</u>	
12	30-06-20	Tuesday	Meiosis, Importance of Meiosis	Energy Conservation in SHM, Free and Forced Oscillations, Resonance, Damped Oscillations, Sharpness of Resonance	<u>TOPIC 5A</u> <u>CHEMICAL ENERGETICS (CH 7)</u> Concept of Energy Changes, Use the Terms Enthalpy	Miscellaneous Mistakes	PHYSICS TOPIC-5 <u>OSCILLATION (CH. 7)</u>	ENGLISH <u>VOCAB UHS WORDS (26-50)</u>	
13	01-07-20	Wednesday	<u>TOPIC-5 VARIETY OF LIFE (CH. 5)</u> 2-5 Kingdom Classification Systems, Characteristics, Structure and Classification of Viruses, HIV/ AIDS	<u>TOPIC-6</u> <u>WAVES (CH. 8)</u> Progressive Wave, Transverse and Longitudinal Waves, Periodic Wave, Principle of Superposition, Stationary Waves & in a Stretched String	Bond energy, Numerical Magnitude of Lattice Energy, Hess's law	Miscellaneous Mistakes	BIOLOGY TOPIC-5 <u>VARIETY OF LIFE (CH. 5)</u>	CHEMISTRY TOPIC 5A <u>CHEMICAL ENERGETICS (CH 7)</u>	
14	02-07-20	Thursday	<u>TOPIC-6 BIOENERGETICS (CH. 11)</u> Introduction, Photosynthetic Reactants and Products, Photosynthetic Pigments, Light-The Driving Energy	Stationary Waves in Air Columns, in Open Organ Pipe & in Closed Organ Pipe, Doppler Effect & its Applications, Electromagnetic Spectrum	<u>TOPIC 6A</u> <u>ELECTROCHEMISTRY (CH 10)</u> Redox Processes, Oxidation Numbers of Elements, Balancing Chemical Equations by Redox Method, Standard Electrode Potential	PRACTICE EXERCISE MISCELLANEOUS MISTAKES	PHYSICS TOPIC-6 <u>WAVES (CH. 8)</u>	ENGLISH <u>MISCELLANEOUS MISTAKES</u>	
15	03-07-20	Friday	PRACTICE EXERCISE (TOPIC 4)	PRACTICE EXERCISE (TOPIC 5)	PRACTICE EXERCISE (TOPIC 4A)	PRACTICE EXERCISE COMBINATION MISTAKES	BIOLOGY TOPIC-6 <u>BIOENERGETICS (CH. 11)</u>	CHEMISTRY TOPIC 6A <u>ELECTROCHEMISTRY (CH 10)</u>	
16	04-07-20	Saturday	PRACTICE EXERCISE (TOPIC 5)	PRACTICE EXERCISE (TOPIC 6)	PRACTICE EXERCISE (TOPIC 5A)				
05-07-20		Sunday		HOLIDAY					
17	06-07-20	Monday	Light Dependent Reactions, Chemiosmosis, Light Independent Reactions	<u>TOPIC-7 LIGHT (CH. 9)</u> Interference of Light Waves ,Young's Double Slit Experiment	SHE, Methods to Measure Standard Electrode Potentials of Metals, Standard Cell Potential, Electrode Potential, Construct Redox Equations, Advantages of Fuel Cell	Vocabulary Words (51-75)	BIOLOGY TOPIC-6 <u>BIOENERGETICS (CH. 11)</u>	CHEMISTRY TOPIC 6A <u>ELECTROCHEMISTRY (CH 10)</u>	
18	07-07-20	Tuesday	Respiration (Introduction), Anaerobic Respiration and Its Types, Glycolysis	Diffraction of Light, Diffraction Grating	<u>TOPIC 7A</u> <u>CHEMICAL EQUILIBRIUM (CH 8)</u> Rates of Forward & Reverse Reactions & Dynamic Equilibrium, Le- Chatelier's Principle, Deduce Expression for Equilibrium Constant	Verb & Tenses	PHYSICS TOPIC-7 <u>LIGHT (CH. 9)</u>	ENGLISH <u>VOCAB UHS WORDS (51-75)</u>	

19	08-07-20	Wednesday	Pyruvic Acid Oxidation, Krebs Cycle, Respiratory Chain, Oxidative Phosphorylation	TOPIC-8 HEAT AND THERMODYNAMICS (CH. 11) Kinetic Theory of Gases, Pressure of Gas, Interpretation of Temperature, Derivation of Gas Laws	Calculate the Values of Kc, Calculate the Equilibrium Quantities, Conditions used in Haber Process, Qualitative Differences in Behavior of Strong/Weak Acids and Bases	Verb & Tenses	BIOLOGY TOPIC-6 BIOENERGETICS (CH. 11)	CHEMISTRY TOPIC 7A CHEMICAL EQUILIBRIUM (CH 8)	
20	09-07-20	Thursday	TOPIC-7 GAS EXCHANGE (CH. 13) Respiration in Man, Role of Respiratory Pigments Transport of Oxygen, Transport of Carbon Dioxide, Respiratory Disorders (Cancer, Tuberculosis, Emphysema)	Internal Energy, Molar Specific Heats of a Gas, Derivation of $C_p - C_v = R$	Terms: pH, Ka, pKa, Kb, Kw and Ksp, $[H^+ (aq)]$, $[OH^- (aq)]$, pH and pOH Values for Strong and Weak Acids and Bases	PRACTICE EXERCISE VERB & TENSES	PHYSICS TOPIC-8 HEAT AND THERMODYNAMICS (CH. 11)	ENGLISH VERB & TENSES	
21	10-07-20	Friday	PRACTICE EXERCISE (TOPIC 6)	PRACTICE EXERCISE (TOPIC 7)	PRACTICE EXERCISE (TOPIC 6A)	PRACTICE EXERCISE AGREEMENT MISTAKES	BIOLOGY TOPIC-7 GAS EXCHANGE (CH. 13)	CHEMISTRY TOPIC 7A CHEMICAL EQUILIBRIUM (CH 8)	
22	11-07-20	Saturday	PRACTICE EXERCISE (TOPIC 7)	PRACTICE EXERCISE (TOPIC 8)	PRACTICE EXERCISE (TOPIC 7A)		PHYSICS TOPIC-8 HEAT AND THERMODYNAMICS (CH. 11)		
12-07-20		Sunday	HOLIDAY						
23	13-07-20	Monday	TOPIC-8 TRANSPORT IN PLANTS (CH. 14) Uptake and Transport of Minerals and Water by Roots, Cohesion Tension Theory, Types of Transpiration	TOPIC-9 ELECTROSTATIC (CH. 12) Coulomb's Law, Fields of Force, Electric Field Lines, Electric Potential, Electric Field as Potential Gradient	TOPIC 8A CHEMICAL KINETICS (CH 11) Rate of Reaction, Activation Energy, Catalysis, Rate Equation, Order of Reaction, Rate Constant, Collisions Theory, Enzymes as Biological Catalysts	Vocabulary UHS Words (76-100)	BIOLOGY TOPIC-8 TRANSPORT IN PLANTS (CH. 14)	CHEMISTRY TOPIC 8A CHEMICAL KINETICS (CH 11)	
24	14-07-20	Tuesday	Factors Affecting Rate of Transpiration, Opening and Closing of Stomata, Translocation of Organic Solutes (Phloem Transport), Xerophytes	Electric Potential at a Point due to a Point Charge, Electron Volt and Comparison of Gravitational and Electric Forces, Capacitor, Electric Polarization of Dielectrics, Energy Stored in a Capacitor	Construct and Use Rate Equations with Special Emphasis on Zero Order, 1st Order & 2nd Order Reaction, Half-life of First Order Reaction, Calculate the Order of Reaction & Rate Constant, Method for Studying the Rate of a Reaction	Adjective	PHYSICS TOPIC-9 ELECTROSTATIC (CH. 12)	ENGLISH VOCAB UHS WORDS (76-100)	
25	15-07-20	Wednesday	TOPIC-9 TRANSPORT IN HUMAN (CH. 14) The Circulatory Fluid- The Blood, Blood Vessels, Pumping Organ-The Heart	TOPIC-10 CURRENT ELECTRICITY (CH. 13) Electric Current, Current through a Metallic Conductor, Ohm's Law	TOPIC 1B PERIODS (CH 1 B-II) Variation in the Physical Properties of Elements Belonging to Period 2 & 3, Atomic Radius, Ionic Radius, MPt, BPt, IE, EN, EA, Electrical Conductivity, O.S, Hydration Energy, Periodic Relationship in Binary compounds, Halides (especially chlorides), Oxides	Adjective	BIOLOGY TOPIC-8 TRANSPORT IN PLANTS (CH. 14)	CHEMISTRY TOPIC 1B PERIODS (CH 1 B-II)	
26	16-07-20	Thursday	Heart Excitation and Conduction, The Cardiac Cycle and Electrocardiogram, Blood Pressure and Rate of Blood Flow, Lymphatic System	Combinations of Resistors, Resistivity and its Dependence upon Temperature, Electric Power and Power Dissipation in Resistors	TOPIC 2B GROUPS (CH 2,5 B-II) The Variation in Properties of Group II & VII Elements, Reactions, Thermal Decomposition & Solubility of Compounds of Group II Elements, Properties of Halogens and Their Compounds	PRACTICE EXERCISE ADJECTIVE	PHYSICS TOPIC-10 CURRENT ELECTRICITY (CH. 13)	ENGLISH ADJECTIVE	
27	17-07-20	Friday	PRACTICE EXERCISE (TOPIC 8)	PRACTICE EXERCISE (TOPIC 9)	PRACTICE EXERCISE (TOPIC 8A)		BIOLOGY TOPIC-9 TRANSPORT IN HUMAN (CH. 14)	CHEMISTRY TOPIC 2B GROUPS (CH 2,5 B-II)	
28	18-07-20	Saturday	PRACTICE EXERCISE (TOPIC 9)	PRACTICE EXERCISE (TOPIC 4)	PRACTICE EXERCISE (TOPIC 1B)		PHYSICS TOPIC-10 CURRENT ELECTRICITY (CH. 13)		
19-07-20		Sunday	HOLIDAY						
29	20-07-20	Monday	TOPIC-10 IMMUNITY (CH. 14) Immune System and its Components, Immune Responses, Types of Immunity and Vaccination	E.M.F and Terminal Potential Difference, Maximum Power Output, Kirchhoff's First and Second Rule, Wheatstone Bridge, Potentiometer	Variation in Properties of Group II and VII Elements, Reaction of Chlorine, Comparison of Oxidizing Power of Halogens, Uses of Halogens & Their Compounds	Vocabulary UHS Words (101-125)	BIOLOGY TOPIC-10 IMMUNITY (CH. 14)	CHEMISTRY TOPIC 2B GROUPS (CH 2,5 B-II)	
30	21-07-20	Tuesday	TOPIC-11 HOMEOSTASIS (CH. 15) Concepts in Homeostasis, Thermoregulatory Strategies in Animals, Thermoregulation in Mammals/Humans	TOPIC-11 ELECTROMAGNETISM (CH. 14) Magnetic Field due to Current in a Long Straight Wire, Force on a Current Carrying Conductor in a Uniform Magnetic Field	TOPIC 3B TRANSITION ELEMENTS (CH 6 B-II) Chemistry of Transition Elements of 3d Series, Electronic Configuration, Variable Oxidation States, Uses as a Catalyst Formation of Complexes, Colour of Transition Metal, Complexes, Geometry and Isomerism of Complex Ions with Coordination # 4 and 6	Adverb	PHYSICS TOPIC-10 CURRENT ELECTRICITY (CH. 13)	ENGLISH VOCAB UHS WORDS (101-125)	
31	22-07-20	Wednesday	Human Urinary System, Concentration of Excretory Products, Role of Hormones	Force on a Moving Charge in a Magnetic Field, Motion of Charged Particle in Electric and Magnetic Field, Determination of e/m of an electron	TOPIC 4B COMPOUNDS OF N AND S (CH 4,15,16 B-II) Nitrogenous Fertilizers, Presence of SO ₂ in Atmosphere, Manufacturing of H ₂ SO ₄ , H ₂ SO ₄ as Dehydrating & Oxidizing Agent	Vocabulary UHS Words (126-150)	BIOLOGY TOPIC-11 HOMEOSTASIS (CH. 15)	CHEMISTRY TOPIC 3B TRANSITION ELEMENTS (CH 6 B-II)	
32	23-07-20	Thursday	TOPIC-12 MUSCLE & MOVEMENT (CH. 16) Muscles & Types, Skeletal Muscles, Energy for Muscle Contraction, Effect of Exercise on Muscle	TOPIC-12 ELECTROMAGNETIC INDUCTION (CH. 15+16) Magnetic Flux and Flux Density, Induced EMF and Induced Current, Faraday's Law	TOPIC 1C FUNDAMENTAL PRINCIPLES (CH. 7 B-II) Organic Compounds. Alkanes & Alkenes of Lower Masses. Nucleophiles, Electrophiles & Free Radicals, Isomerism, Functional Group and Nomenclature of OC	PRACTICE EXERCISE ADVERB	PHYSICS TOPIC-11 ELECTROMAGNETISM (CH. 14)	ENGLISH ADVERB	
33	24-07-20	Friday	PRACTICE EXERCISE (TOPIC 10)	PRACTICE EXERCISE (TOPIC 10)	PRACTICE EXERCISE (TOPIC 2B)		BIOLOGY TOPIC-12 MUSCLE & MOVEMENT (CH. 16)	CHEMISTRY TOPIC 4B COMPOUNDS OF N AND S (CH 4,15,16 B-II) TOPIC 1C FUNDAMENTAL PRINCIPLES (CH. 7 B-II)	
34	25-07-20	Saturday	PRACTICE EXERCISE (TOPIC 11)	PRACTICE EXERCISE (TOPIC 11)	PRACTICE EXERCISE (TOPIC 3B)		PHYSICS TOPIC-12 ELECTROMAGNETIC INDUCTION (CH. 15+16)		
26-07-20		Sunday	HOLIDAY						

35	27-07-20	Monday	TOPIC-13 COMMUNICATION (CH. 17) Nervous coordination, Neurons & its Types, Reflex Action and Reflex Arc, Nerve Impulse, Synapse	Lenz's Law, Transformer, Alternating Current, Time Period, Frequency, Peak Value and Root Mean Square Value of Alternating Current or Voltage	TOPIC 2-C HYDROCARBONS (CH 8, 9 B-II) Chemistry of Alkanes with Emphasis on Combustion, The Mechanism of Free Radical Substitution Reaction, Chemistry of Alkenes with Emphasis on, Preparation & Reactions of Alkenes	Preposition	BIOLOGY TOPIC-13 COMMUNICATION (CH. 17)	CHEMISTRY TOPIC 2-C HYDROCARBONS (CH 8, 9 B-II)	
36	28-07-20	Tuesday	PRACTICE EXERCISE (TOPIC 12)	PRACTICE EXERCISE (TOPIC 12)	PRACTICE EXERCISE (TOPIC 4B)		PHYSICS TOPIC-12 ELECTROMAGNETIC INDUCTION (CH. 15+16)	ENGLISH VOCAB UHS WORDS (126-150)	
29-07-20		Wednesday	EID HOLIDAYS						
30-07-20		Thursday							
31-07-20		Friday							
01-08-20		Saturday							
02-08-20		Sunday							
			HOLIDAY						
37	03-08-20	Monday	Glands & Hormones, Iselets of Langerhans (Pancreas), Auxins, Gibberelins, Abscisic Acid	TOPIC-13 DEFORMATION OF SOLID (CH. 17) Mechanical Properties of Solids, Deformation in Solids, Stress and Strain (Hook's law), Elastic Constants	Chemistry of Benzene, Electrophilic Substitution Reactions & Mechanism, Hydrogenation of Benzene Ring, Side Chain Oxidation of Methyl Benzene & Ethyl Benzene, Benzene Ring by 2,4 Directing and 3,5 Directing Groups	Preposition	BIOLOGY TOPIC-13 COMMUNICATION (CH. 17)	CHEMISTRY TOPIC 2-C HYDROCARBONS (CH 8, 9 B-II)	
38	04-08-20	Tuesday	TOPIC-14 REPRODUCTION (CH. 18) Spermatogenesis, Oogenesis, Human Menstrual Cycle	Elastic Limits & Yield Strength, Strain Energy in Deformed Materials, Energy Band Theory	TOPIC 3C ALKYL HALIDES (CH 10 B-II) Importance of Halogenoalkanes, Reaction of Alkyl Halides, Nucleophilic Substitution Reactions and Mechanisms	Vocabulary UHS Words (151-175)	PHYSICS TOPIC-13 DEFORMATION OF SOLID (CH. 17)	ENGLISH PREPOSITION	
39	05-08-20	Wednesday	TOPIC-15 GENETICS (CH. 22) Gene, Alleles & Gene Pool, Law of Segregation, Test Cross, Law of Independent Assortment	TOPIC-14 ELECTRONICS (CH. 18) Rectification, Half & Full Wave Rectification, Operational Amplifier and its Characteristics	TOPIC 4C ALCOHOLS AND PHENOLS (CH 11 B-II) Classification of Alcohol, Preparation of Ethanol, Reactions of Alcohols & Phenols, Acidity of Water, Ethanol and Phenol	Noun	BIOLOGY TOPIC-14 REPRODUCTION (CH. 18)	CHEMISTRY TOPIC 3C ALKYL HALIDES (CH 10 B-II)	
40	06-08-20	Thursday	Dominance Relations, Gene Linkage, Crossing Over, Recombination Frequency	TOPIC-15 MODERN PHYSICS (CH. 19+20) Photons, Photo-electric Effect, Photo Cell	TOPIC 5-C ALDEHYDES AND KETONES (CH 12 B-II) Structure, Preparation & Reactions of Aldehydes and Ketones, Nucleophilic Addition Reaction Mechanism	PRACTICE EXERCISE PREPOSITION	PHYSICS TOPIC-14 ELECTRONICS (CH. 18)	ENGLISH VOCAB UHS WORDS (151-275)	
41	07-08-20	Friday	PRACTICE EXERCISE (TOPIC 13)	PRACTICE EXERCISE (TOPIC 13)	PRACTICE EXERCISE (TOPIC 1C+2C)	PRACTICE EXERCISE NOUN	BIOLOGY TOPIC-15 GENETICS (CH. 22)	CHEMISTRY TOPIC 4C ALCOHOLS AND PHENOLS (CH 11 B-II) TOPIC 5-C ALDEHYDES AND KETONES (CH 12 B-II)	
42	08-08-20	Saturday	PRACTICE EXERCISE (TOPIC 14)	PRACTICE EXERCISE (TOPIC 14)	PRACTICE EXERCISE (TOPIC 3C+4C)		PHYSICS TOPIC-15 MODERN PHYSICS (CH. 19+20)	ENGLISH NOUN	
09-08-20		Sunday	HOLIDAY						
43	10-08-20	Monday	Continuously Varying Traits, Sex Linkage in Humans, Genetics of Colour Blindness & Haemophilia	Wave Nature of Particles, Davison and Germer Experiment, Atomic Spectrum of Hydrogen, Bohr's Model of Hydrogen Atom, Quantized Radii, Quantized Energy	TOPIC 6C CARBOXYLIC ACIDS (CH. 13 B-II) Physical Properties & Reactions of Carboxylic Acids, Relative Acidic Strength.	Article	BIOLOGY TOPIC-15 GENETICS (CH. 22)	CHEMISTRY TOPIC 6C CARBOXYLIC ACIDS (CH. 13 B-II)	
44	11-08-20	Tuesday	TOPIC-16 BIOTECHNOLOGY (CH. 23) Recombinant DNA Technology, Polymerase Chain Reaction	Hydrogen Emission of Spectrum, Inner Shell Transitions and Characteristic X-Rays, Properties and Uses of X-Rays, Braking X-Rays (Continuous X-rays)	TOPIC 7C AMINO ACIDS (CH 13 B-II) General Structure of Amino Acids Found in Proteins, Classification of AA, Zwitter Ion, Acid Base Properties of AA, Peptide Bond Formation.	Vocabulary UHS Words (176-208)	PHYSICS TOPIC-15 MODERN PHYSICS (CH. 19+20)	ENGLISH ARTICLE	
45	12-08-20	Wednesday	Analyzing DNA, Gene Therapy, Transgenic Bacteria, Animals, Plants	TOPIC-16 NUCLEAR PHYSICS (CH. 21) Atomic Nucleus, Isotopes, Mass Defect and Binding Energy, Radioactivity, Nuclear Transmutation	TOPIC 8C MACROMOLECULES (CH 14 B-II) Addition & Condensation Polymerization, Structure of Proteins & Nucleic acid (DNA)	Pronoun	BIOLOGY TOPIC-16 BIOTECHNOLOGY (CH. 23)	CHEMISTRY TOPIC 7C AMINO ACIDS (CH 13 B-II) TOPIC 8C MACROMOLECULES (CH 14 B-II)	
46	13-08-20	Thursday	TOPIC-17 EVOLUTION (CH. 24) Theory of Natural Selection, Allelic Frequencies & Hardy-Weingberg Law & Factors	Half Life, Activity, Decay Constant, Nuclear Fission, Fission Chain Reaction, Fusion Reaction, Building Blocks of Matter	TOPIC 9C ENVIRONMENTAL CHEMISTRY (CH 16 B-II) Air Pollutants, Chemistry and Causes of Acid Rain, Ozone and Chlorofluorocarbons (CFCs)	PRACTICE EXERCISE ARTICLE	PHYSICS TOPIC-16 NUCLEAR PHYSICS (CH. 21)	ENGLISH VOCAB UHS WORDS (176-208)	
14-08-20		Friday	HOLIDAY						
47	15-08-20	Saturday	PRACTICE EXERCISE (TOPIC 15)	PRACTICE EXERCISE (TOPIC 15)	PRACTICE EXERCISE (TOPIC 5C+6C)	PRACTICE EXERCISE PRONOUN	BIOLOGY TOPIC-17 EVOLUTION (CH. 24)	CHEMISTRY TOPIC 9C ENVIRONMENTAL CHEMISTRY (CH 16 B-II)	
16-08-20		Sunday	HOLIDAY						
48	17-08-20	Monday	PRACTICE EXERCISE (TOPIC 16)	PRACTICE EXERCISE (TOPIC 16)	PRACTICE EXERCISE (TOPIC 7C+8C)		BIOLOGY TOPIC-1 THE CELL (CH. 4)	CHEMISTRY TOPIC 1A FUNDAMENTAL CONCEPTS (CH 1+9)	
49	18-08-20	Tuesday	PRACTICE EXERCISE (TOPIC 17)	PRACTICE EXERCISE (TOPIC 1)	PRACTICE EXERCISE (TOPIC 9C)		PHYSICS TOPIC-1 MEASUREMENTS (CH. 1) PHYSICS TOPIC-3 WORK AND ENERGY (CH. 4)	ENGLISH PRONOUN	

50	19-08-20	Wednesday	PRACTICE EXERCISE (TOPIC 1)	PRACTICE EXERCISE (TOPIC 2)	PRACTICE EXERCISE (TOPIC 1A)		BIOLOGY TOPIC-2 BIOLOGICAL MOLECULES (CH. 2+3)	CHEMISTRY TOPIC 2A STATES OF MATTER (CH 3 + 4)
51	20-08-20	Thursday	PRACTICE EXERCISE (TOPIC 2)	PRACTICE EXERCISE (TOPIC 3)	PRACTICE EXERCISE (TOPIC 2A)		PHYSICS TOPIC-2 MOTION AND FORCE (CH. 2+3) TOPIC-4 CIRCULAR MOTION (CH. 5)	
52	21-08-20	Friday	PRACTICE EXERCISE (TOPIC 3)		PRACTICE EXERCISE (TOPIC 3A)		BIOLOGY TOPIC-3 CHROMOSOME & DNA (CH. 20)	CHEMISTRY TOPIC 3A ATOMIC STRUCTURE (CH 5)