# ALLEN SIR (SELECTIVE INTERACTIVE REVISION) COURSE MICRO PLAN

| DAY | Date | PHYSICS | | CHEMISTRY | | BIOLOGY | |
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| | | TOPIC | SUB TOPIC | TOPIC | SUB TOPIC | TOPIC | SUB TOPIC |
| TUESDAY | 01-Jun | KINEMATICS 1 | i) GRAPHS IN KINEMATICS<br>ii) MOTION UNDER GRAVITY | CHEMICAL KINETICS 1 | i) INTRODUCTION OF CHEMICAL KINETICS<br>ii) RATE OF REACTION(R.O.R) , RATE OF FORMATION (R.O.F) ,RATE OF DECOMPOSITION (R.O.D)<br>iii) NUMERICALS BASED ON R.O.F , R.O.D , R.O.R<br>iv) ORDER OF REACTION FROM RATE LAW<br>v) UNIT OF RATE CONSTANT<br>vi) NUMERICALS BASED ON RATE LAW (PART-1) | ANIMAL TISSUES 1 | NCERT XI ( PAGE NO 100-106) |
| WEDNESDAY | 02-Jun | KINEMATICS 2 | i) GROUND TO GROUND PROJECTILE<br>ii) RIVER-MAN PROBLEM | CHEMICAL KINETICS 2 | i) REMAINING NUMERICALS BASED ON RATE LAW (PART-2)<br>ii) CONCEPT OF SIMPLE AND COMPLEX REACTION<br>iii) PROBLEM BASED ON COMPLEX REACTION<br>iv) DIFFERENT EQUATION OF ZERO AND FIRST ORDER REACTION<br>v) NUMERICALS BASED ON ZERO AND FIRST ORDER REACTION | BREATHING AND EXCHANGE OF GASES 1 | NCERT XI ( PAGE NO 268 - 277) |
| THURSDAY | 03-Jun | NEWTON'S LAWS OF MOTION & FRICTION 1 | i) IMPULSE VARIOUS TYPE OF FORCES<br>ii) CONSTRAINED MOTION PULLEY | CHEMICAL KINETICS 3 | i) PRESSURE BASED FIRST ORDER RATE CONSTANT PROBLEM<br>ii) COLLISION THEORY<br>iii) RELATIONSHIP BETWEEN ΔH AND ACTIVATION ENERGY<br>iv) TEMP. COEFFICIENT CONCEPT<br>v) ARRHENIUS EQUATION AND PROBLEMS BASED ON IT | DIGESTIVE SYSTEM 1 | NCERT XI ( PAGE NO 257-267) |
| FRIDAY | 04-Jun | NEWTON'S LAWS OF MOTION & FRICTION 2 | i) ROCKET PROPULSION & FRICTION | SOLUTION 1 | i) CONCENTRATION TERMS<br>ii) IDEAL AND NON-IDEAL SOLUTION | CIRCULATRY SYSTEM 1 | NCERT XI ( PAGE NO 278-283) |
| SATURDAY | 05-Jun | WORK, ENERGY & POWER 1 | i) WORK DONE BY CONSTANT FORCE<br>ii) WORK ENERGY THEOREM | SOLUTION 2 | i) COLLIGATIVE PROPERTIES OF DILUTE SOLUTION :-<br>(a) RELATIVE LOWRING IN VAPOUR PRESSURE.<br>(b) ELEVATION IN BOILING POINTS ($\Delta T_b$)<br>(c) DEPRESSION IN FREEZING POINTS ($\Delta T_f$) | CIRCULATRY SYSTEM 2 | NCERT XI ( PAGE NO 284-289) |
| SUNDAY | 06-Jun | WORK, ENERGY & POWER 2 | i) COME<br>ii) POTENTIAL ENERGY & EQUILIBRIUM<br>iii) POWER | SOLUTION 3 | i) COLLIGATIVE PROPERTIES OF DILUTE SOLUTIONS:- (d) OSMATIC PRESSURE<br>ii) ABNORMAL COLLIGATIVE PROPERTIES | EXCRETORY SYSTEM 1 | NCERT XI ( PAGE NO 290-295) |
| MONDAY | 07-Jun | ELECTROSTATICS 1 | i) ELECTRIC FLUX<br>ii) GAUSS LAW<br>iii) ELECTRIC FIELD DUE TO CONDUCTING & NON-CONDUCTING SPHERE | ELECTROCHEMISTRY 1 | i) GALVANIC CELL.<br>ii) STANDARD ELECTRODE POTENTIAL AND STANDARD EMF OF CELL.<br>iii) ELECTROCHEMICAL SERIES (ECS) | EXCRETORY SYSTEM 2 | NCERT XI ( PAGE NO 296-301) |
| TUESDAY | 08-Jun | ELECTROSTATICS 2 | i) ELECTRIC FIELD DUE TO WIRE & SHEET<br>ii) ELECTRIC FIELD DUE TO CONCENTRIC METALLIC SHELLS<br>iii) ELECTRIC POTENTIAL ENERGY) | ELECTROCHEMISTRY 2 | i) NERNST EQUATION<br>ii) WORKDONE BY CELL AND ΔG<br>iii) NUMERICALS ON NERNST EQUATION | LOCOMOTION & MOVEMENT 1 | NCERT XI ( PAGE NO 302-314) |
| WEDNESDAY | 09-Jun | ELECTROSTATICS 3 | i) ELECTRIC POTENTIAL DUE TO VARIOUS CHARGE DISTRIBUTION<br>ii) RELATION BETWEEN ELECTRIC FIELD & POTENTIAL | ELECTROCHEMISTRY 3 | i) QUALITATIVE ASPECTS OF ELECTROLYSIS<br>ii) ELECTROLYSIS IN AQUEOUS SOLUTION OF AN ELECTROLYTE<br>iii) QUANTITATIVE ASPECTS OF ELECTROLYSIS<br>iv) FARADAY's LAWS OF ELECTROLYSIS | ANIMAL DIVERSITY 1 | NCERT XI ( PAGE NO 46-62) |
| THURSDAY | 10-Jun | ELECTROSTATICS 4 | i) ELECTRIC DIPOLE<br>ii) ELECTRIC POTENTIAL DUE TO CONCENTRIC METALLIC SHELLS<br>iii) CARRITY INSIDE CONDUCTORS<br>iv) MOTION OF CHARGE PARTICLE IN ELCTRIC FIELD | ELECTROCHEMISTRY 4 | i) KOHLRAUSH'S LAW AND ITS APPLICATIONS | EARTHWORM, COCKROACH, FROG 1 | NCERT XI ( PAGE NO 107-115) |
| FRIDAY | 11-Jun | GRAVITATION 1 | i) VARIATION OF ACCELERATION DUE GRAVITY | SOLID STATE 1 | i) UNIT CELL.<br>ii) THE SEVEN CRYSTAL SYSTEM<br>iii) DESCRIPTION OF CUBIC UNIT CELL<br>iv) DENSITY OF THE CRYSTAL.<br>v) NUMERICALS BASED ON DENSITY | EARTHWORM, COCKROACH, FROG 2 | NCERT XI ( PAGE NO 116-122) |
| SATURDAY | 12-Jun | GRAVITATION 2 | i) GRAVITATIONAL POTENTIAL ENERGY+ESCAPE VELOCITY | SOLID STATE 2 | i) CLOSE PACKING IN THREE DIMENSION<br>ii) VOIDS IN CRYSTALS<br>iii) NUMERICALS BASED ON VOIDS<br>iv) POSTION OF THTRAHEDRAL AND OCTAHEDRAL VOIDS<br>v) STUDY OF IONIC CRYSTALS(NaCL , CsCl)<br>vi) SCHOTTKY & FRENKEL DEFECT | MORPHOLOGY OF FLOWERING PLANTS 1 | NCERT XI ( PAGE NO 65-73) |
| SUNDAY | 13-Jun | GRAVITATION 3 | i) KEPLARS LAWS | SURFACE CHEMISTRY 1 | i) ADSORPTION<br>ii) MECHANISM OF ADSORPTION<br>iii) PHYSICAL AND CHEMICAL ADSORPTION<br>iv) EFFECT OF TEMPRATURE AND PRESSURE ON ADSORPTION<br>v) FREUNDLICH ADSORPTION ISOTHERM<br>vi) COMPARISION OF TRUE SOLUTION.<br>vii) COMPARSION OF TRUE SOLUTION :- (a) EMULSION<br>(b) LYOPHILLIC & LYOPHOBIC<br>(c) ASSOCIATED COLLOIDS<br>vii) METHODS OF PREPARATION OF COLLIDS | MORPHOLOGY OF FLOWERING PLANTS 2 | NCERT XI ( PAGE NO 74-83) |
| MONDAY | 14-Jun | CURRENT ELECTRICITY 1 | i) KIRCHHOFF'S LAW | SURFACE CHEMISTRY 2 | i) BREDIGS ARCH METHOD<br>ii) PEPTIZATION<br>iii) PROPERTIES OF COLLIDAL SOLUTION [CHARGE , COAGULATION]<br>Iv) PROTECTION OR PROTECTIVE ACTION (GOLD NUMBER)<br>v) ZEOLITES | ANATOMY OF FLOWERING PLANTS (PLANT ANATOMY) 1 | NCERT XI ( PAGE NO 84 - 92) |
| TUESDAY | 15-Jun | NEET Pattern TEST NO. 1 | | | | | |