

SRIGAYATRI EDUCATIONAL INSTITUTIONS

INDIA

INCOMING SR BIPC TEACHING SCHEDULE 2020-21 W.E.F 10/07/2020

DAY	DATE	BOTANY	ZOOLOGY	PHYSICS	CHEMISTRY
46	10-07-2020 (Friday)	FACTORS AFFECTING PHOTOSYNTHESIS, Warburg's effect	Generation and conduction of nerve impulse	CURRENT ELECTRICITY: Electric current, drift velocity	SOLID STATES : General characteristics of solids , amorphous and crystalline solids
47	11-07-2020 (Saturday)	Carbon dioxide compensation point, BACTERIAL PHOTOSYNTHESIS	Synaptic transmission	Mobility, current density	classification of crystalline solids + Objective
	12-07-2020	SUNDAY			
48	13-07-2020 (Monday)	RESPIRATION: Definition, Types of respiration, (Aerobic & Anaerobic Protoplasmic and floating) External respiration/ gaseous exchange, (Do plants breath)	Reflex action and reflex arc, Sensory reception and processing -Eye	Ohm's law, resistance, resistivity, conductivity, factors influencing resistance	Structure of solids , Bragg's equation
49	14-07-2020 (Tuesday)	CELLULAR RESPIRATION: Glycolysis	Sensory reception and processing - Ear, Disorders of human neural system (Disorders of eye has to be explained)	Temperature dependence of resistivity, Resistivity of various materials, colour code resistors	Crystal lattice , types of unit cells, + Objective
50	15-07-2020 (Wednesday)	Glycolysis balance sheet, Fermentation (Alcoholic, Lactic acid)	CHEMICAL COORDINATION AND INTEGRATION : Endocrine glands and Hormones - Hypothalamus,	Objective	Calculation of number of atoms per unit cell + Objective
51	16-07-2020 (Thursday)	Link reaction	Pituitary gland, Pineal gland	Objective	Closed packed structure
52	17-07-2020 (Friday)	Krebs Cycle	Thyroid gland, Parathyroid gland	Combination of resistors, cells, emf and internal resistance	packing efficiency + Objective
	18-07-2020 (Saturday)	COUNSELLING CLASSES/ PREPARATION			
	19-07-2020	NEET MODEL EXAM ON QUARTERLY SYLLABUS PS: HYD-DSNMED			
53	20-07-2020 (Monday)	ETS & Oxidative phosphorylation	Thymus, Adrenal gland, Pancreas, Testis, Ovary	Cells in series and parallel, mixed grouping of cells	Calculation involving unit cell dimensions + Objective
54	21-07-2020 (Tuesday)	Respiratory balance sheet	Mechanism of hormone action, Hypo and hyperactivity and related disorders	Objective	Calculation involving unit cell dimensions + Objective

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55	22-07-2020 (Wednesday)	Amphibolic pathway, RQ	IMMUNE SYSTEM: Basic concepts of immunology upto Cells of immune system	Objective	Radius and density + Objective
56	23-07-2020 (Thursday)	Bioenergetics of respiration, SHUTTLE PATHWAYS (Glycerol-phosphate shuttle pathway, Malate-aspartate shuttle pathway)	Organs of Immune system upto Antigen	Electric energy and power	Types of crystal defects
57	24-07-2020 (Friday)	FACTORS AFFECTING RESPIRATION: Internal and external, Light compensation point, Pasteur's effect	Koch's Postulates	Objective	Types of crystal defects + Objective
	25-07-2020 (Saturday)	COUNSELLING CLASSES/ PREPARATION			
	26-07-2020	WT-09-NEET MODEL EXAM :: SYLLABUS: 10-07-2020 TO 24-07-2020 PS: HYD-CPT			
58	27-07-2020 (Monday)	PLANT GROWTH HORMONES - Characteristics, Discovery of plant growth regulators.	types of immunity(Innate, acquired, active and passive)	Kirchoff's law, Wheatstone bridge	Electrical properties
59	28-07-2020 (Tuesday)	Auxins	Mechanism of immunity (Humoral, Cell mediated),	meter bridge	magnetic properties and problems + Objective
60	29-07-2020 (Wednesday)	Gibberellins	Vaccination or Immunisation,	Objective	SURFACE CHEMISTRY : Introduction, adsorption difference between adsorption and absorption + Objective
61	30-07-2020 (Thursday)	Cytokinin	Allergies, AIDS	Objective	Types of adsorption, adsorption
62	31-07-2020 (Friday)	Ethylene, Abscisic acid	Auto immunity, immune disorders	Potentiometer: Principle & Applications (i)comparison of emf's of two cells	isotherms applications of adsorption, catalysis, + Objective
	01-08-2020 (Saturday)	COUNSELLING CLASSES/ PREPARATION			
	02-08-2020	WT-10-NEET MODEL EXAM :: SYLLABUS: 20-07-2020 TO 31-07-2020 PS: HYD-NG			
	03-08-2020 (Monday)	RAKSHA BANDHAN			
63	04-08-2020 (Tuesday)	Seed dormancy types and control	HUMAN REPRODUCTION: Male reproductive system	(2)Determination of internal resistance of given cell	types of catalysis + Objective

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64	05-08-2020 (Wednesday)	PHYSIOLOGY OF FLOWERING: Photoperiodism, Short day plants, Long day plants, Day neutral plants, Phytochrome, Vernalization	Male reproductive system	Objective	Adsorption theory of heterogeneous catalysis, + Objective
65	06-08-2020 (Thursday)	PLANT SENESCENCE, ABSCISSION, PLANT MOVEMENTS - INTRODUCTION	Female reproductive system	Objective	enzyme catalysis Characteristics of enzyme catalysis
66	07-08-2020 (Friday)	MOVEMENTS OF LOCOMOTION (Spontaneous, Tactic) MOVEMENTS OF CURVATURE (Mechanical, Variation, Growth, Tropic, Nastic)	Female reproductive system	PCQ	catalyst in industry + Objective
	08-08-2020 (Saturday)	COUNSELLING CLASSES/ PREPARATION			
	09-08-2020	WT-11-NEET MODEL EXAM :: SYLLABUS: 27-07-2020 TO 07-08-2020 PS: VJA BVPM			
67	10-08-2020 (Monday)	GENETICS: PRINCIPLES OF INHERITANCE AND VARIATION : Pre-mendelian Genetics	Gametogenesis in males	MAGNETISM & MATTER : Introduction, Bar Magnet, Magnetic moment, Magnetic field lines and properties	Surface chemistry : colloidal state Introduction
68	11-08-2020 (Tuesday)	Mendel's Laws of inheritance, Inheritance of One Gene	Gametogenesis in females	Coulombs law, Magnetic field induction (on axial and equatorial lines)	Classification of colloids + Objective
69	12-08-2020 (Wednesday)	Test cross, Back cross, Law of Segregation	Menstrual Cycle	Objective	Preparation and purification of colloids + Objective
70	13-08-2020 (Thursday)	Inheritance of Two Genes, Law of Independent assortment	Fertilisation to implantation	Objective	Properties of colloids + Objective
71	14-08-2020 (Friday)	Problems in (one gene inheritance)genetics	Pregnancy and embryonic development- gastulation	dipole in a uniform magnetic field (Torque and potential energy)	Emulsions and applications + Objective
	15-08-2020 (Saturday)	INDEPENDENCE DAY			
	16-08-2020	WT-12-NEET MODEL EXAM :: SYLLABUS: 04-08-2020 TO 14-08-2020 PS: HYD PDAM BPT			
72	17-08-2020 (Monday)	Problems in two gene inheritance genetics	Pregnancy and embryonic development	Time period of Oscillation	Metallurgy : Introduction, occurrence of metals
73	18-08-2020 (Tuesday)	POST-MENDELIAN GENETICS: Incomplete dominance, Codominance	foetal membranes and formation of placenta, Functions of placenta	Objective	Ore, Mineral, flux, gangue, + Objective

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74	19-08-2020 (Wednesday)	Chromosomal Theory of inheritance	Events during Pregnancy, Parturition to lactation	Objective	concentration of ores
75	20-08-2020 (Thursday)	Linkage and Recombination	REPRODUCTIVE HEALTH: Introduction to birth control -need and methods	Gauss law in Magnetism, Elements of earth's magnetism.	Extraction crude metal from concentrated ore + Objective
76	21-08-2020 (Friday)	Mutations	Methods of Contraception and MTP	Magnetic properties of materials, Hysteresis	Refining of crude metals
	22-08-2020 (Saturday)	GANESH CHATURTHI			
	23-08-2020	WT-13-NEET MODEL EXAM :: SYLLABUS: 10-08-2020 TO 21-08-2020 PS: VSP-KMP			
77	24-08-2020 (Monday)	MOLECULAR BASIS OF INHERITANCE : Structure of DNA	Amniocentesis to the end	Permanent magnets and electromagnets.	Thermodynamic principles of metallurgy + Objective
78	25-08-2020 (Tuesday)	Problems related to DNA structure	POST-MENDELIAN GENETICS: Complementary factors	Objective	Extraction of Copper & Zinc + Objective
79	26-08-2020 (Wednesday)	Packaging of DNA Helix	Supplementary factors, Epistatic factors	Objective	Extraction of Iron,
80	27-08-2020 (Thursday)	The search for genetic material	Inhibitory factors, Duplicate factors	PCQ	Extraction of Iron, Aluminium + Objective
81	28-08-2020 (Friday)	The genetic material is DNA	Polymeric factors, Multiple allelism, Pleiotropy	MOVING CHARGES AND MAGNETISM : Oersted experiment, Swimming rule, Ampere's right hand thumb rule, Biot-Savart law and applications	Electrochemical principles of metallurgy oxidation reduction + Objective
	29-08-2020 (Saturday)	COUNSELLING CLASSES/ PREPARATION			
	30-08-2020	WT-14-NEET MODEL EXAM :: SYLLABUS: 17-08-2020 TO 28-08-2020 PS: VJA-RG			
82	31-08-2020 (Monday)	Properties of genetic material, RNA world	Sexdetermination upto sex determination in human beings	field due to current carrying wire	15th group elements : Introduction, GEC, physical and chemical properties + Objective

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