

Commissioner of Intermediate Education
EAMCET/NEET/IIT SHORT TERM FREE COACHING 2020: EXAM SCHEDULE (First Phase)

S.No	Date	Maths		Chemistry		Botany	Physics	Zoology
		Track-I	Track-II	Track-I	Track-II	Topic	Topic	Topic
1		Functions	Limits	Atomic structure	Periodic table	Diversity in the living world	PHYSICAL WORLD:- What is Physics ? Scope & society, fundamental forces in nature. Gravitational force, strong Nuclear force.	1. DIVERSITY OF LIVING WORLD:
2		Matrices	Continuity	Atomic structure	I A Group.	Science of Plants Botany	UNITS AND MEASUREMENTS :- Intro the international system of units, Measurement of length, size of Molecule, Range of lengths, Measurement of Mass, Range of Masses, Accuracy, Error & Percentage	2. STRUCTURAL ORGANIZATION IN ANIMALS:
3		Matrices	Differentiation	Atomic structure	II A Group.	Morphology of Flowering plants, Root, Stem and Leaf	UNITS AND MEASUREMENTS :- Significant figures, Rules for Arithmetic Operation with significant figures, Rounding off the uncertain Digits, Result for Arithmetic operation of physical Quantities.	3. ANIMAL DIVERSITY – I:
4		Matrices	Differentiation	Chemical bond	III A Group.	Flower and Fruits	MOTION IN A STRAIGHT LINE:- Introduction position, path length & displacement, Average Velocity & average speed, velocity, speed, Acceleration & relative velocity.	4. ANIMAL DIVERSITY – II:
	20.04.2020	DAILY TEST(Above ALL Topics)						
5		Complex no	Eqns of tangents & normals & lengths	Chemical bond	IV A Group.	Modes of Reproduction	MOTION IN A PLANE:- Introduction, scalars & vectors, Equality of vectors, Addition & subtraction of vectors, graphical method, Resolution of vectors projectile motion, uniform circular motion.	5. ANIMAL DIVERSITY – III:
	22.04.2020	DAILY TEST(ALL Above Topics)						

6		De Moivres theorem	Applications of derivatives	Chemical bond	Hydrogen & its compounds	Developemnt of Male and Female Gametophytes	LAWS OF MOTION :- Introduction,Aristotles fallacy, the law of inertia, Newtons first law of motion, Newtons scend, & third law, impulse, momentum Equilibricem of a particle.	6. LOCOMOTION & REPRODUCTION IN PROTOZOA:
	24.04.2020	DAILY TEST(ALL Above Topics)						
7		Quadratic expressions	Increasing & Decreasing, max & min	States of matter	Hydrogen & its compounds	Taxonomy	WORK, ENERGY AND POWER :- Intriduction the scalar product, Motion of work & K.E. The work energy, K.E, workdone by variable force. Concept of P.E. Heat, chemical & Electrical energy.	7. BIOLOGY & HUMAN WELFARE : • Parasitism and parasitic adaptation; Health and disease: Life cycle, Pathogenecity, Treatment & Prevention (Brief account only) 1. Entamoeba histolytica 2. Plasmodium vivax
	26.04.2020	DAILY TEST(Above Topics)						
8		Theory of equations	Integrations Principle & examples	States of matter	Environmental Chemistry.	Cell - The unit of life Cell Division	WORK, ENERGY AND POWER :- Collisions, Elastic and inelastic collisions, clision in one dimension, coefficient of Restitution & its determination.	8.BIOLOGY & HUMAN WELFARE:3. Ascaris lumbricoides 4. Wuchereria bancrofti; • Brief account of pathogenecity, treatment & prevention of Typhoid, Pneumonia, Common cold, & Ring worm. Drugs and Alcohol absuse.
	28.04.2020	DAILY TEST(Above Topics)						
9		Permutations	Reduction formulae & examples	Stoichiometry	Chemical equilibrium	Bio molecules	SYSTEMS OF PARTICLES AND ROTATIONAL MOTION :- Intriduction, what kind of motion can arigid body have ? Centre of mass, centre of gravity, Motion jof centre of mass.	9. TYPE STUDY OF PERIPLANETA AMERICANA:
	30.04.2020	DAILY TEST(Above Topics)						
10		combination	Definite Integrals	Stoichiometry	Chemical equilibrium	Histology and Anatomy of Flowering plants	SYSTEMS OF PARTICLES AND ROTATIONAL MOTION :- Principle of moments, moment of incrtia, theorms of perpendicular and parallel axis.	10. ECOLOGY & ENVIRONMENT:
	02.05.2020	DAILY TEST(Above Topics)						
11		Binomial Theorem	Interpretation of definite integrals areas	Stoichiometry	Acids and bases.	Anatomy of root,stem,leaf	OSCILLATIONS :- Introduction, Periodic frequency, Displacement, SHM. Velocity & acceleration in S.H.M.	11. ECOLOGY & ENVIRONMENT

	04.05.2020	DAILY TEST(Above Topics)						
12		Binomial Theorem	Differential eqns order & degree	Junior Inter Organic Chemistry.	Acids and bases.	Plant Transport	GRAVITATION:- Intriduction, keples's law, Universal law of gravitation, Acceleration due to gravity of the earth weight lessness.	12.ECOLOGY & ENVIRONMENT
	06.05.2020	DAILY TEST(Above Topics)						
13		Partial fractions	Solving Differential eqns	Junior Inter Organic Chemistry.	Thermodynam ics.	Plant - water relations	MECHANICAL PROPERTIES OF SOLIDS:-Introduction, Elastic behaviour of solids, stress & strain, Hooke's law stress strain curve, Application of elastic beheiour., MECHANICAL PROPERTIES OF FLUIDS :-Introduction Pressure, Pasdal's law Atmosphere Pressure and Gauge Pressure Streamline flow, Bernoulis Principale.	14. HUMAN ANATOMY AND PHYSIOLOGY-I:• Digestion and Absorption: Alimentary canal and digestive glands; Role of digestive enzymes and gastrointestinal hormones; Peristalsis, digestion, absorption and assimilation of proteins, carbohydrates and fats, egestion, Calorific value of proteins, carbohydrates and fats (for box item- not to be evaluated); Nutritional disorders: Protein Energy Malnutrion (PEM), indigestion, constipation, vomiting, jaundice, diarrhea, Kwashiorkor
	08.05.2020	DAILY TEST(Above Topics)						
14		Trigonometric Ratios,Transformation	Locus	Solutions	Thermodynam ics.	Flow from source to sink	THERMAL PROPERTIES OF MATTER:- Introduction, Temprature & heat, Measurment of temprature, Ideal gas thermal expansion. Newtons law of cooling. KINETIC THEORY:- Intoduction, Molecular nature of matter, Behavior of gases, Boyle's law, charles law kinetic theory of an idealgas.	15.Breathing and Respiration: Respiratory organs in animals; Respiratory system in humans; Mechanism of breathing and its regulation in humans – Exchange of gases, transport of gases and regulation of respiration; Respiratory volumes; • Respiratory disorders: Asthma, Emphysema, Occupational respiratory disorders – Asbestosis, Silicosis, Siderosis, Black Lung Disease in coal miners.

15		Trigonometric eqns	Transformations	Solutions	Electro - chemistry	Deficiency sympoms of essential elements	THERMODYNAMICS:-Introduction, Thermal eqcilibreem, Zeroth law, Heat, internal energy & work, first law of thermodynamics.	16. HUMAN ANATOMY AND PHYSIOLOGY-II • Body Fluids and Circulation: Covered in I year composition of lymph and functions; Clotting of blood; Human circulatory system – structure of human heart and blood vessels; Cardiac cycle, cardiac output, double circulation; regulation of cardiac activity; • Disorders of circulatory system: Hypertension, coronary artery disease, angina pectoris, heart failure.
	10.05.2020	Cummulative exam-I in the above topics (160 Bits)						
	12.05.2020	Cummulative exam-II in the above topics (160 Bits)						