



	<p><b>IIB. Excretory products and their Elimination:</b></p> <p>2.6 Modes of excretion-Ammonotelism, Ureotelism, Uricotelism, Excretory organs 01</p> <p>2.7 Human excretory system-structure of kidney and nephron; 02</p> <p>2.8 Urineformation, osmoregulation, Regulation of kidney function-Renin-Angiotensin-Aldosterone system, Atrial Natriuretic Factor, ADH and diabetes in sipidus 03</p> <p>2.9 Role of other organs in excretion 01</p> <p>2.10 Disorders: Uraemia, renal failure, renal calculi, nephritis, Glomerul on ephritis, dialysis using artificial kidney 01</p> <p style="text-align: center;"><b>UNIT TEST -1</b> 01 <b>EAMCET/NEET</b> 02</p> <p><b>Practical: Specimen Study</b> 02</p>	
AUGUST 25	<p><b>UNIT-III:</b></p> <p><b>HUMANANATOMYANDPHYSIOLOGY-III</b></p> <p><b>IIIA. Musculo-Skeletal system:</b></p> <p>3.1.1 Types of moment ,The muscle- structure of muscle ultra structure of skeletal muscle fibre, Contract ileproteins 02</p> <p>3.1.2 Mechanisam of musclecon traction, Muscle Fatigue, Coricycle, types of Muscle Fibers 02</p> <p>3.2 The skeleton 02</p> <p>3.2.1Axial skeleton</p> <p>3.2.2 Appendicular skeleton</p> <p>3.3.1Joints,Structureofsynovialjoints 02</p> <p>3.2.4 Disorders of the muscular and skeletal system: myasthenia gravis, tetany, muscular dystrophy, arthritis, osteoporosis, gout 02</p> <p style="text-align: center;"><b>EAMCET/NEET</b> 02</p> <p><b>IIIB. Neural control and Co-ordination:</b></p> <p>3.5 Human NeuralSystem-Central nervous system, Peripheral nervous system, somatic nervous system and autonomic neural system 02</p> <p>3.6 Generation and conduction of nerve impulse and synaptic Transmission 01</p> <p>3.7 Reflex action and Reflex Arc. 02</p> <p>3.8 Sensory reception and processing; Sense organs The Eye, mechanism vision, The Ear and mechanism of hearing, disorders of human neural system Disorders of Human Neural system- Alzheimer’s disease (AD), Meningitis, Parkinson’s Diseases, Strokeor Cerebro-VascularAccident(CVA) 01</p>	





	6.9 DNA Finger Printing – protocol Application of DNA fingerprinting	01
	<b>EAMCET/NEET</b>	02
	<b>Practical's</b> :Bio-Chemistry Physiological Experiments	01
<b>HALF YEARLY EXAMS – 20-11-2023 TO 25-11-2023</b>		
DECEMBER 23	<b>UNITVII: ORGANIC EVOLUTION</b>	
	7.1 Origin of life	02
	7.2 Biological evolution	02
	7.3 Evidences for biological evolution (palaeontological, comparative anatomical, embryological and molecular evidences)	03
	7.4 Theories of evolution: Lamarckism (in brief), Darwin's Theory of Evolution-Natural Selection with example – industrial melanism, mutation theory	03
	7.5 Modern Synthetic theory of Evolution- or Neo Darwinism	02
	7.6 Mechanism of evolution Hardy-Weinberg Equilibrium;	02
	II Evolutionary forces	02
	Types of Natural Selection; Gene flow, Genetic load, genetic drift	
	III Speciation	
	Anagenesis, cladogenesis Allopatric speciation, Sympatric speciation	02
	7.7 A brief account of evolution	
	7.8 Origin and evolution of man	
	<b>UNITTEST-IV</b>	01
	<b>EAMCET/NEET</b>	02
	<b>Practical:</b> Biochemistry/Physiology Experiments	02
JANUARY 23	<b>UNIT-VIII:APPLIED BIOLOGY</b>	
	8.1 Animal husbandry, Dairy farm management	02
	8.2 Poultry farm management	02
	8.3 Bee-Keeping	02
	8.4 Fishery Management	02
	8.5 Bio technological Applications in medicine	01
	8.6 Vaccines	01
	8.7 Molecular Diagnosis	01
	8.8 Gene Therapy	01
	8.9 Transgenic Animals	01
	8.10 Cancer Biology	01

	8.11 Stem cells	01
	8.12 Biomedical Technology	03
<b>SANKRANTHI HOLIDAYS – 13-01-2024 to 16-01-2024</b>		
<b>PRE-FINALEXAMINATIONS–I FROM 22-01-2024 to 29-01-2024</b>		
FEBRUARY 24	<b>Revision Pre-Final-II PRACTICAL EXAMINATION IPE 2024 (2nd WEEK OF FEBRUARY)</b>	24
MARCH 22	<b>Theory Examinations IPE 2024 (1st WEEK OF MARCH) Last working Day 31-03-2024</b>	

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