

**TELANGANA STATE BOARD OF INTERMEDIATE EDUCATION: HYDERABAD**

**ANNUAL ACADAMIC PLAN 2023-24**

**ZOOLOGY**

**FIRST YEAR**

<b>Month &amp; No. of Working days/ No. of periods</b>	<b>Test/Exams/Assignments/EAMCET/NEET Classes to be conducted</b>	<b>Periods allotted for each topic.</b>
June 24	Syllabus Dictation & Q.P model Explanation <b>UNIT-I: Diversity of Living World</b> 1.1 What is life? 1.2 Nature, Scope & Meaning of Zoology 1.3 Branches of Zoology 1.4 Need for classification 1.5 Biological classification 1.6 Levels and Hierarchy of classification 1.7 Nomenclature-Bi & Trinominal 1.8 Species concept 1.9 Kingdom Animalia 1.10 Biodiversity–Meaning and distribution (genetic diversity, Species diversity, Ecosystem diversity (alpha, beta and gama), other attributes of biodiversity, Role of biodiversity ,threats to biodiversity ,methods of conservation, IUCN Red data books, Conservation wildlife in India - Legislation, Preservation, Organizations, Threateneds pecies.  <b>EAMCET/NEET</b>	  01 01  01 01 02 02 01 01 04       01
JULY 23	<b>UNIT-II:STRUCTURALORGANIZATIONIN ANIMALS</b> 2.1 Levels of organization, Multicellularity: Diploblastic & Triploblastic organization 2.2. Importance of symmetry Asymmetry, Symmetry: Radial Symmetry and Bilateral symmetry 2.3 Coelom, Acoelomates, Pseudocoelomates and Eucoelomates: Schizo & Enterocoelomates 2.4 Tissues: Epithelial, Connective, Muscular and Nervous tissues. (make it a little more elaborative)	 02 01 01 02

	<p><b>UNIT-III:ANIMALDIVERSITY-I:INVERTEBRATE PHYLA</b></p> <p>3.1 Phylum .Porifera 01</p> <p>3.2. Phylum Cnidaria 01</p> <p>3.3. Phylum Ctenophora 01</p> <p>3.4. Phylum Platyhelminthes 01</p> <p>3.5. Phylum Nematoda 01</p> <p>3.6. Phylum Annelida (Including Brief type study of Earthworm) 01</p> <p>3.7. Phylum Arthropoda 02</p> <p>3.8. Phylum Mollusca 02</p> <p>3.9. Phylum Echinodermata 01</p> <p>3.10. Phylum Hemichrodata 01</p> <p style="text-align: center;"><b>UNITTEST-I</b></p> <p style="text-align: center;"><b>EAMCET/NEET</b></p> <p><b>Practical:</b> Specimen Study 02</p>	
AUGUST 25	<p><b>UNIT-IV: ANIMALDIVERSITY-II: PHYLUM: CHORDATA</b></p> <p>Phylum: Chordata }  Subphylum: Urochordata }  Subphylum: Cephalochordata }  Subphylum: Vetebrata } 04</p> <p>Superclass: Agnatha }  Class: Cyclostomata } 02</p> <p>Superclass: Gnathostomata }  Superclas: Spices }  Class: Chondrichthyes }  Class: Osteichthyes } 04</p> <p>Tetrapoda }  Class: Amphibia (Including brief type study of Frog) } 04  Class: Reptilia 02  Class: Aves 02  Class: Mammalia 02</p> <p style="text-align: center;"><b>UNIT TEST-II</b></p> <p style="text-align: center;"><b>EAMCET/NEET</b></p> <p><b>Practical :</b> Specimens 02</p>	

<p>SEPTEMBER 22</p>	<p><b>UNIT-V:LOCOMOTION&amp;REPRODUCTION IN PROTOZOA</b></p> <p>5.1 Locomotion: Definition, Types of locomotor structure spseudopodia (basicidea of pseudopodia without going into different types), flagella &amp; cilia</p> <p>5.2 Flagellar &amp; Ciliary movement–Effective &amp; Recovery strokes in Euglena, Synchronal &amp; Metachronal Movements in Paramecium</p> <p>5.3 Asexual Reproduction: Definition, types, Transverse binary fission in Paramecium</p> <p>5.3.1 Longitudinal binary fission in Euglena. Multiplefission</p> <p>5.4 Sexual Reproduction</p> <p><b>UNIT-VI:BIOLOGY &amp; HUMAN WELFARE</b></p> <p>6.1 Parasitism and parasitic adaptations</p> <p>6.2 Health and disease: Introduction (follow NCERT) life</p> <p>1. Entamoeba histolytica (Lifecycle)</p> <p>2. Plasmodium vivax (lifecycle)</p> <p>3. Ascaris lumbricoides (lifecycle)</p> <p><b>UNIT TEST-III</b></p> <p><b>EAMCET/NEET</b></p> <p><b>Practical : Specimens</b></p>	<p>02</p> <p>02</p> <p>02</p> <p>02</p> <p>01</p> <p>02</p> <p>01</p> <p>01</p> <p>03</p> <p>01</p> <p>01</p> <p>02</p> <p>02</p>
<p><b>FIRSTTERM HOLIDAYS 19-10-2023 TO 25-10-2023</b></p>		
<p>OCTOBER 18</p>	<p>4. Wuchereria bancrofti</p> <p>6.3 Brief account of pathogenecity, treatment &amp; prevention of Typhoid, Pneumonia, Common cold &amp; Ring worm.</p> <p>6.4 Tobacco, Drugs and Alcohol Abuse</p> <p><b>UNITVII:TYPESTUDY OF PERIPLANETA AMERICANA</b></p> <p>7.1 Habitat and habits</p> <p>7.2 ExternalFeatures</p> <p>7.3 Locomotion</p> <p><b>Practical: Biochemistry/Physiology Experiments</b></p> <p><b>EAMCET/NEET</b></p>	<p>02</p> <p>03</p> <p>04</p> <p>02</p> <p>02</p> <p>01</p> <p>02</p> <p>02</p>
<p><b>HALF YEARLY EXAMS – 20-11-2023 TO 25-11-2023</b></p>		
<p>NOVEMBER 24</p>	<p>7.4 Digestive System of Periplaneta</p> <p>7.5 Respiratory system of Periplaneta</p> <p>7.6 Circulatory system of Periplaneta</p> <p>7.7 Excretory system of Periplaneta</p>	<p>02</p> <p>02</p> <p>02</p> <p>01</p>

	7.8 Nervous system–sense organs, structure of Ommatidium. of Periplaneta	01
	7.9 Reproductive system of Periplaneta	02
	<b>UNIT-VIII: ECOLOGY &amp; ENVIRONMENT</b>	
	8.1 What is Ecology, Importance of Ecology, Organisms and Environment: Ecology, population, Communities, Eco system, land scape, niche, biome Ecosphere and Environment	01
	8.2 Ecosystem: Elementary aspects only Abiotic factors- light, Temperature & Water (Biological Effects only), Ecological adaptations	01
	8.3 Population interactions	
	<b>Practical:</b> Dissections & Display.	01
	<b>Unit Test-IV</b>	02
	<b>EAMCET/NEET</b>	02
	<b>Practicals:</b> SPECIMENS	
DECEMBER 23	8.4 Ecosystem and their components: lake ecosystem	03
	8.5 Food chains, Food web, Productivity and Energy flow in Ecosystem, Ecological Pyramids-Pyramids of numbers, biomass and energy.	05
	8.6 Nutrient cycling- Carbon, Nitrogen & Phosphorus cycles (Brief account)	04
		03
	8.7 Population attributes: Growth, Natality and Mortality, age distribution, Population growth	03
		02
	<b>Practicals:</b> Slides	02
	<b>EAMCET/NEET</b>	01
	<b>UNIT TEST V</b>	
	<b>SANKANTHI HOLIDAYS – 13-01-2024 to 16-01-2024</b>	
JANUARY 23	8.8 Environment issues	01
	Air Pollution and its control	01
	Water Pollution and its control	01
	Ganga Action Plan	01
	A case study of integrated waste water treatment	01
	Ecological sanitation-Ecosan toilets	
	Soil Pollution	
	A case study of Remedy for Plastic Wastage	01

	8.8.3.2 Case study of organic farming	01
	8.8.3.4 Greenhouse effect and global warming	01
	8.8.3.5 Ozone depletion in the stratosphere	01
	8.8.6 Degradation by improper resource utilization and maintenance	01
	8.8.6.1 Case study of people's participation in conservation of Forests	01
	<b>Practicals: SLIDES</b>	04
	<b>EAMCET/NEET</b>	02
<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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