

TELANGANA STATE BOARD OF INTERMEDIATE EDUCATION: HYDERABAD

ANNUAL ACADAMIC PLAN 2024-25

ZOOLOGY FIRST YEAR

Month & No. of Working days/ No. of periods	Test/Exams/EAPCET/NEET Classes to be conducted	Periods allotted For each topic.
June 23	Syllabus Dictation & Q.P model Explanation UNIT-I: Diversity of Living World 1.1 What is life? 02 1.2 Nature, Scope & Meaning of Zoology 02 1.3 Branches of Zoology 1.4 Need for classification 01 1.5 Biological classification 02 1.6 Levels and Hierarchy of classification 02 1.7 Nomenclature-Bi & Trinominal 02 1.8 Species concept 02 1.9 Kingdom Animalia 02 1.10 Biodiversity–Meaning and distribution 03 (genetic diversity, Species diversity, Ecosystem diversity (alpha, beta and gamma), other attributes of biodiversity, Role of biodiversity, threats to biodiversity, methods of conservation, IUCN Red data books, Conservation wildlife in India - Legislation, Preservation, Organizations, Threatened species. EAPCET/NEET	
JULY 24	UNIT-II: STRUCTURAL ORGANIZATION IN ANIMALS. 2.1 Levels of organization, Multicellularity: Diploblastic & Triploblastic organization 01 2.2. Importance of symmetry Asymmetry, Symmetry: Radial Symmetry and Bilateral symmetry 01 2.3 Coelom, Acoelomates, Pseudo-coelomates and Eucoelomates: Schizo & Enterocoelomates 01 2.4 Tissues: Epithelial, Connective, Muscular and Nervous tissues. (make it a little more elaborative) 01	

	UNIT-III:ANIMALDIVERSITY-I:INVERTEBRATE PHYLA 3.1 Phylum .Porifera 3.2. Phylum Cnidaria 3.3. Phylum Ctenophora 3.4. Phylum Platyhelminthes 3.5. Phylum Nematoda 3.6. Phylum Annelida(IncludingBrieftypestudyofEarthworm) 3.7. Phylum Arthropoda 3.8. Phylum Mollusca 3.9. Phylum Echinodermata 3.10. Phylum Hemichordata UNITTEST-I EAPCET/NEET CLASSES EAPCET/NEET-TEST Practicals: Specimen Study	01 01 01 01 01 01 02 02 01 01 01 04 01 02
AUGUST 24	UNIT-IV: ANIMALDIVERSITY-II: PHYLUM: CHORDATA Phylum: Chordata Subphylum: Urochordata Subphylum: Cephalochordata Subphylum: Vetebrata Superclass: Agnatha Class: Cyclostomata Superclass: Gnathostomata Superclas: Spices Class: Chondrichthyes Class: Osteichthyes Tetrapoda Class: Amphibia (Including brief type study of Frog) Class: Reptilia Class: Aves Class: Mammalia UNITTEST-II EAPCET/NEET CLASSES EAPCET/NEET-TEST Practicals : Specimens	 04 01 03 03 01 02 02 01 04 01 02

SEPTEMBER 22	UNIT-V:LOCOMOTION&REPRODUCTION IN PROTOZOA 5.1 Locomotion:Definition,Typesof locomotorstructurespseudopodia(basicideaofpseudopodiawithoutgoing into different types),flagella&cilia 01 5.2 Flagellar&Ciliarymovement– Effective&RecoverystrokesinEuglena,Synchrional&Meta chronalMovements in Paramecium 01 5.3 AsexualReproduction:Definition,types,Transverse binary fission inParamecium 01 5.3.1 Longitudinal binary fission in Euglena. Multiplefission 02 5.4 SexualReproduction 01 UNIT-VI:BIOLOGY & HUMAN WELFARE 6.1 Parasitism and parasitic adaptations 02 6.2 Health and disease:Introduction(followNCERT) 01 1.Entamoebahistolytica (Lifecycle) 01 2. Plasmodium vivax (lifecycle) 03 3. Ascarislumbricoides (lifecycle) 01 UNIT TEST-III 01 EAPCET/NEET CLASSES 04 EAPCET/NEET-TEST 01 Practicals :Specimens 02	
FIRSTTERMHOLIDAYS 06-10-2024 TO 13-10-2024		
OCTOBER 19	4.Wuchereriabancrofti 02 6.3 Brief account of pathogenecity, treatment & prevention of Typhoid, Pneumonia,Common cold & Ring worm. 03 6.4 Tobacco, Drugs and Alcohol Abuse 04 UNITVII:TYPESTUDY OF PERIPLANETA AMERICANA 7.1 Habitat and habits 02 7.2 ExternalFeatures 02 7.3 Locomotion 02 Practicals: Specimens 02	
HALF YEARLY EXAMS – 18-11-2024 TO 23-11-2024		

NOVEMBER 24	7.4 Digestive System of Periplaneta	01
	7.5 Respiratory system of Periplaneta	01
	7.6 Circulatory system of Periplaneta	01
	7.7 Excretory system of Periplaneta	01
	7.8 Nervous system—sense organs, structure of Ommatidium. of Periplaneta	01
	7.9 Reproductive system of Periplaneta	01
	UNIT-VIII: ECOLOGY & ENVIRONMENT	
	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	02 01
	8.3 Population interactions	
	Practical: Dissections & Display.	
	EAPCET/NEET CLASSES	01 04
	EAPCET/NEET-GRAND TEST- I	02
	Practicals: Slides.	01
DECEMBER 23	8.4 Ecosystem and their components: lake ecosystem	03
	8.5 Foodchains, Foodweb, Productivity and Energy flow in Ecosystem, Ecological Pyramids-Pyramids of numbers, biomass and energy.	02
	8.6 Nutrient cycling- Carbon, Nitrogen & Phosphorus cycles (Brief account)	03 02
	8.7 Population attributes: Growth, Natality and Mortality, age distribution, Population growth	01 02
	UNIT TEST IV	01
	EAPCET/NEET CLASSES	04
	EAPCET/NEET-TEST	01
	Practicals: Slides,	04
	SANKRANTHI HOLIDAYS – 11-01-2025 to 16-01-2025	

JANUARY 22	8.8 Environment issues AirPollution and its control Water Pollution and its control Ganga Action Plan A case study of integrated waste water treatment Ecological sanitation-Ecosantoilets Soil Pollution A case study of Remedy for Plastic Wastage	01 01 01 01 01
	8.8.3.2 Casestudyof organic farming 8.8.3.4 Greenhouse effect and global warming 8.8.3.5 Ozone depletion in the stratosphere 8.8.6 Degradation by improper resource utilization and maintenance 8.8.6.1Case study of people’s participation in conservation of Forests EAPCET/NEET CLASSES Practicals: Slides	01 01 01 01 04 02
PRE-FINALEXAMINATIONS–I FROM 20-01-2025 to 25-01-2025 EAPCET/NEET GRAND TEST-II		
FEBRUARY 23	Revision, Pre-Final-II PRACTICAL EXAMINATION IPE-2025 (1st WEEK OF FEBRUARY-2025)	24
MARCH 23	Theory Examinations IPE-2025 (1st WEEK OF MARCH) Last working Day: 29-03-2025 SUMMER VACATION-30-3-2025 TO 01-06-2025 IPASE-2025 – Last week of May-2025 Date of Re-Opening of colleges For The Academic year (2025-26) 02nd June 2025	

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