

TELANGANA BOARD OF INTERMEDIATE EDUCATION: HYDERABAD

ANNUAL ACADAMIC PLAN 2025-26

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:DiversityofLivingWorld 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 Speciesconcept 02 1.9 KingdomAnimalia 02 1.10 Biodiversity–Meaning and distribution 03 (geneticdiversity, 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, Threatenedpecies. EAPCET/NEET CLASSES	02 02 01 02 02 02 02 02 03 03 02

SEPTEMBER 22	UNIT-V: LOCOMOTION & REPRODUCTION IN PROTOZOA 5.1 Locomotion: Definition, Types of locomotor structures pseudopodia (basic idea of pseudopodia without going into different types), flagella & cilia 5.2 Flagellar & Ciliary movement – Effective & Recovery strokes in Euglena, Synchronal & Metachronal Movements in Paramecium 5.3 Asexual Reproduction: Definition, types, Transverse binary fission in Paramecium 5.3.1 Longitudinal binary fission in Euglena. Multiple fission 5.4 Sexual Reproduction UNIT-VI: BIOLOGY & HUMAN WELFARE 6.1 Parasitism and parasitic adaptations 6.2 Health and disease: Introduction (follow NCERT) 1. Entamoeba histolytica (Lifecycle) 2. Plasmodium vivax (lifecycle) 3. Ascaris lumbricoides (lifecycle) UNIT TEST-III EAPCET/NEET CLASSES EAPCET/NEET-TEST Practicals : Specimens	01 01 01 02 01 02 01 01 03 01 01 04 01 02
FIRST TERM HOLIDAYS 28-09-2025 TO 05-10-2025		
OCTOBER 21	4. Wuchereria bancrofti 6.3 Brief account of pathogenecity, treatment & prevention of Typhoid, Pneumonia, Common cold & Ring worm. 6.4 Tobacco, Drugs and Alcohol Abuse UNIT VII: TYPE STUDY OF PERIPLANETA AMERICANA 7.1 Habitat and habits 7.2 External Features 7.3 Locomotion Practicals: Specimens EAPCET/NEET CLASSES	02 03 04 02 02 02 02 02 02
HALF YEARLY EXAMS – 10-11-2025 TO 15-11-2025		

NOVEMBER 23	7.4 Digestive System of Periplaneta	02
	7.5 Respiratory system of Periplaneta	01
	7.6 Circulatory system of Periplaneta	02
	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	03
	8.2 Ecosystem: Elementary aspects only Abiotic factors- light, Temperature & Water (Biological Effects only), Ecological adaptations	02 01
	8.3 Population interactions	02
	EAPCET/NEET CLASSES	04
	EAPCET/NEET-GRAND TEST- I	01
	Practicals: Slides.	02
DECEMBER 24	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	02 02
	UNIT TEST IV	01
	EAPCET/NEET CLASSES	04
	EAPCET/NEET-TEST	01
	Practicals: Slides.	04
	SANKRANTHI HOLIDAYS – 11-01-2026 to 18-01-2026	

JANUARY 19	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	02 02 01 02
	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	02 02 02 04 02
PRE-FINALEXAMINATIONS–I FROM 19-01-2026 to 24-01-2026 EAPCET/NEET GRAND TEST-II		
FEBRUARY 24	Revision, Pre-Final-II PRACTICAL EXAMINATION IPE-2026 (1st WEEK OF FEBRUARY-2026)	24
MARCH 23	Theory Examinations IPE-2026 (1st WEEK OF MARCH) Last working Day:31-03-2026 SUMMER VACATION-01-04-2026 TO 31-05-2026 IPASE-2026 – Last week of May-2026 Date of Re-Opening of colleges For The Academic year (2026-27) 1stJune 2026	

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