



DEPARTMENT OF
ZOOLOGY
TEACHING PLAN
GDCR
2023-24

Teaching plane

M.Sc. -previous

Zoology paper - II

KARUNA RAJATE

MONTH	TOPICS	UNIT
August 2023	Organization of Coelom 1. Acoelomates. 2. Pseudocoelomates. 3. Protostomia and Deuterostomia.	Unit - 1
September -2023	Locomotion – 1. Flagella and ciliary movement in protozoa . 2. Hydrostatic movement in coelenterate ,Annelida and Echinodermata. Nutrition and Digestion – 1. Patterns of feeding and digestion in lower metazoan. (Porifera &Coelenterata) 2. Filter feeding in polychaeta, Mollusca.	Unit – I & II
October -2023	Respiration – 3.Organs of respiration -Gill, Book Lungs and Trachea. 4. Respiratory Pigments. 5. Mechanism of Respiration (Arthropoda,Mollusca). Excretion – 1.Organs of excretion – Coelom, Coelomducts, Nephridia and Malpighian tubules. 2. Mechanism of excretion .(Annelida , Arthropoda). 3.Osmotic and Ionic regulation in aquatic animals in invertebrates). 4.Osmoregulation in Terrestrial animals . NERVOUS SYSTEM 5.Primitive Nervous System-Coelenterata and Echinodermata. 6.Advanced nervous system -Arthropoda(crustacea) and Mollusca (Cephalopoda) LARVAL FORMS AND MINOR PHYLA 1.Larval forms and significance of Crustacea. 2. Larval forms and significance of Echinodermata.	II & III
November -2023	3.Larval forms and significance of Platyhelminthies . 4. Structure and affinities of – Ectoprocta,Endoprocta.	
December -2023	Revisions and Practical Exam	

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