

K.T. S. P. Mandal's
Hutatma Rajguru Mahavidyalaya, Rajgurunagar.

Department of Zoology

Syllabus Completion Report

A.Y.-2022-2023(Semester II)

F. Y. B. Sc.

Course Code: ZO-121

Animal Diversity II

Month	Title	Teacher Name
April	Phylum Aschelminthes 1.1 Introduction to phylum Aschelminthes 1.2 Salient features of Phylum Aschelminthes 1.3 Classification of Phylum Aschelminthes (Class Nematoda only with two examples – <i>Ascaris lumbricoides</i> (common round worm), <i>Wuchereria bancrofti</i> (Elephantiasis)). 1.4 Economic importance of class Nematoda.	DNB
April	Phylum Annelida 2.1 Introduction to Phylum Annelida 2.2 Salient features of Phylum Annelida. 2.3 Classification of Phylum Annelida up to classes with examples of following classes (names of examples only). Class Polychaeta (e.g: <i>Nereis pelagica</i> (neries/ sand worm, <i>Aphrodita aculeata</i> (=Aphrodite/ seamouse) Class Oligochaeta (e.g.: <i>Pheritima posthuma</i> (earthworm), Class Hirudinea (e.g: <i>Hirudinaria granulosa</i> common cattle leech) 2.4 Economic importance of Annelida with reference to earthworms as friends of farmers and in their role in vermicomposting.	DNB
April & May	Phylum Arthropoda 3.1 Introduction to Phylum Arthropoda 3.2 Salient features of Phylum Arthropoda 3.3 Classification of Phylum Arthropoda with specific classes and mentioned examples (names only) Class:Crustacea: <i>Palaemon palaemon</i> (Prawn) <i>Brachyura</i> spp. crabs) Class: Chilopoda: <i>Scolopendra</i> sp. (centipede) Class: Diplopoda: <i>Julus</i> sp. (millipede) Class Insecta: <i>Periplaneta americana</i> (American Cockroach), <i>Anopheles stephensi</i> (mosquito).	DNB

	Class: Arachnida- Spiders, <i>Buthus sp</i> (scorpion) 3.4 mouth parts in insects: Mandibulate (cockroach). Piercing and sucking (female <i>Anopheles</i> mosquito), chewing and lapping type (honey bee) 3.5 Economic importance of Arthropoda Useful Insects: Honey bee, Lac insect, Silkworm. Harmful insects: Female <i>Anopheles</i> mosquito, Red cotton bug, Rice weevil	
May	Phylum Mollusca 4.1 Introduction to Phylum Mollusca 4.2 Salient features of Phylum Mollusca 4.3 Classification of Phylum Mollusca with specific classes and mentioned examples (names only) Class Gastropoda e.g <i>Pila globosa</i> (apple snail) Class Pelecypoda e.g <i>Lamellidens marginalis</i> (Bivalve) Class Polyplacophora e.g <i>Chiton</i> Class: Cephalopoda e.g: <i>Octopus vulgaris</i> (common octopus), <i>Sepia officinalis</i> (common Cuttle fish) 4.4 Economic importance of Mollusca.	DNB
May	Study of Phylum Echinodermata 5.1 Introduction to Phylum Echinodermata 5.2 Salient features of Phylum Echinodermata. 5.3 Classification of Phylum Echinodermata with specific classes and mentioned examples (names only) • Class Asteroidea (<i>Asterias rubens</i> sea stars or starfish) • Class: Holothuroidea. <i>Holothuria sp.</i> sea cucumbers) • Class: Echinoidea (<i>Echinus esculentis</i> common sea urchins) • Class: Crinoidea (sea lilies or feather stars) 5.4 Type study: <i>Asterias rubens</i> (Sea Star): Classification, Habit Habitat, External Morphology, Digestive system, Water vascular System and autotomy and regeneration 5.5 Pedicellaria in Echinodermata: straight, crossed, valvate, tridactylous, globigerous. 5.6 Economic importance of Echinodermata.	DNB

As per mention above 80% Syllabus is completed. Remaining Syllabus will be complete in Last week of May.

