Lesson Plan

Mehr Chand Mahajan DAV College for Women, Sector – 36A, Chandigarh

Monthly Teaching Plans- Odd Semester (Semester-I)

Session – 2026-27

Department- Zoology

Name of the Teacher- Dr. Sarabjeet Kaur

Class- B.Sc. Semester- I

Subject- Zoology

Course Code: ZOO-DSC-1 Maj/Min-101

Course Title: Diversity of Non-Chordates

Month	Date		Topics to be Covered	Academic Activity to be Undertaken
	From	To		
July	23.07.2026	31.07.2026	Protozoa: General characteristics of Phylum Protozoa Locomotion and reproduction in *Amoeba* and *Paramecium*	Power point presentation, group discussion, assignments, Flipped classroom method
August	01.08.2026	31.08.2026	Life cycle of *Plasmodium vivax* **Porifera:** General characteristics of Phylum Porifera Canal system in *Sycon* Types and formation of spicules in *Sycon* **Cnidaria***:* General characteristics of Phylum Cnidaria; Polymorphism in *Obelia*	Power point presentation, group discussion, assignments, Flipped classroom method Practical demonstration using Museum specimens, PPT, Online resources, Group discussion
Departmental Meeting on 26.08.2026 to review the progress of syllabus as per lesson plans				
September	01.09.2026	30.09.2026	Coral reefs: Types, Formation and Economic Importance **Platyhelminthes***:* General characteristics of Phylum Platyhelminthes Life cycle of *Fasciola hepatica* **MST**	Power point presentation, group discussion, assignments, Flipped classroom method Practical demonstration using Museum specimens, PPT, Online resources, Group discussion
Departmental Meeting on 23.09.2026 to review the progress of syllabus as per lesson plans				
October	01.10.2026	31.10.2026	**Nemathelminthes***:* General characteristics of Phylum Nemathelminthes; Life cycle of *Ascaris lumbricoides* Parasitic adaptations in helminths **Annelida:** General characteristics of Phylum Annelida; Metamerism and Reproduction in *Pheretima posthuma* **Arthropoda:** General characteristics of Phylum Arthropoda; Social organization in Termites and Honey Bee	Power point presentation, group discussion, assignments, Flipped classroom method Practical demonstration using Museum specimens, PPT, Online resources, Group discussion
Departmental Meeting on 28.10.2026 to review the progress of syllabus as per lesson plans				
November	01.11.2026	17.11.2026	**Mollusca:** General characteristics of Phylum Mollusca Pallial complex in *Pila* Pearl formation in Bivalves (Pearl oyster – ***Pinctada fucata***) **Echinodermata:** General characteristics of Phylum Echinodermata; Water vascular system in ***Asterias*** **Hemichordata:** General characteristics of Phylum Hemichordata; Affinities of Hemichordates with Echinoderms and Chordates **Revision and Class Test**	Power point presentation, group discussion, assignments, Flipped classroom method Practical demonstration using Museum specimens, PPT, Online resources, Group discussion
End semester Examination from 18.11.2026 to 31.12.2026				

Lesson Plan

Mehr Chand Mahajan DAV College for Women, Sector – 36A, Chandigarh

Monthly Teaching Plans- Even Semester (Semester-II)

Session – 2026-2027

Department- Zoology

Name of the Teacher- Dr. Sarabjeet Kaur

Class- B.Sc. Semester- II

Subject- Zoology

Course Code: ZOO-DSC-2 Maj/Min-201

Course Title: Diversity of Chordates

Month	Date		Topics to be Covered	Academic Activity to be Undertaken
	From	To		
January	15.01.2027	31.01.2027	**Introduction to Chordates** General characteristics of chordates Differences between chordates and non-chordates **Protochordata** General characteristics of Urochordates and Cephalochordates Retrogressive metamorphosis in *Herdmania*	Power point presentation, group discussion, assignments, Flipped classroom method Practical demonstration using Museum specimens, PPT, Online resources, Group discussion
Departmental Meeting on 27.01.2027 to review the progress of syllabus as per lesson plans				
February	01.02.2027	28.02.2027	**Agnatha** General characteristics of Cyclostomes Affinities of Cyclostomes with protochordata and Vertebrates **Pisces** General characteristics of Chondrichthyes and Osteichthyes **Fish migration:** Types and causes Mechanism of osmoregulation in freshwater and marine fish **Amphibia** General characteristics of Class Amphibia Parental care in amphibians Neoteny and Paedogenesis:Types and Biological significance	Power point presentation, group discussion, assignments, Flipped classroom method Practical demonstration using Museum specimens, PPT, Online resources, Group discussion
Departmental Meeting on 24.02.2027 to review the progress of syllabus as per lesson plans				
March	01.03.2027	31.03.2027	**Reptilia** General characteristics of Class Reptilia Poison apparatus in snakes; Identification of poisonous and non-poisonous snakes **Aves** General characteristics of Class Aves **Archaeopteryx as a connecting link:** Structural features of Archaeopteryx showing reptilian and avian characters **Flight adaptations in birds:** Morphological and anatomical adaptations **Bird migration:** Types and its significance **MST**	Power point presentation, group discussion, assignments, Flipped classroom method Practical demonstration using Museum specimens, PPT, Online resources, Group discussion
Departmental Meeting on 24.03.2027 to review the progress of syllabus as per lesson plans				
April	01.04.2027	26.04.2027	**Mammalia** General characteristics of Class Mammalia Epidermal derivatives (Hair, Nails, Claws, Hooves and Horns)	Power point presentation, group discussion, assignments, Flipped classroom method

			Types of Dentition (heterodont, thecodont and diphyodont) Adaptations in mammals: Aquatic, Aerial, Arboreal, Desert and Terrestrial **Revision and Class Test**	Practical demonstration using Museum specimens, PPT, Online resources, Group discussion
Departmental Meeting on 21.04.2027 to review the completion of syllabus as per lesson plans				
End semester Examination from 27.04.2027 to 05.06.2027				