Lesson Plan

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

Monthly Teaching Plans- Odd Semester (Semester-III)

Session – 2024-25

Department- Zoology

Name of the Teacher- Dr. Sarabjeet Kaur

Class- B.Sc. II (Medical)

Single section

Subject- Zoology

PAPER–I: Biodiversity (Chordates) & Evolution-I (ZOO- 301)

Month	Date		Topics to be Covered	Academic Activity to be Undertaken
	From	To		
July	22.07.2024	31.07.2024	**Chordates** – Origin, Parental care and migration	Power point presentation, group discussion, assignments, Flipped classroom method
August	01.08.2024	31.08.2024	**Protochordates -** Urochordata - Type Study – *Herdmania* except development **Cephalochordata-** Type Study - *Amphioxus* (except development) **Classification of the animals up to orders relating to the following groups along with brief ecological notes of the following**: **Protochordates**: *Herdmania, Molgula, Pyrosoma, Doliolum, Salpa, Oikopleura & Amphioxus* (excluding development).	Power point presentation, group discussion, assignments, Flipped classroom method Practical demonstration using Museum specimens, PPT, Group discussion
Departmental Meeting on 27.08.2024 to review the progress of syllabus as per lesson plans				
September	01.09.2024	30.09.2024	**Cyclostomata–** External Characters of *Petromyzon* & affinities of Cyclostomata **Classification up to orders with brief ecological note and economic importance (if any) of the following:** **Cyclostomata**: *Myxine, Petromyzon* & *Ammocoetes* larva.	Power point presentation, group discussion, assignments, Flipped classroom method Practical demonstration using Museum specimens, PPT, Group discussion
Departmental Meeting on 24.09.2024 to review the progress of syllabus as per lesson plans				

October	01.10.2024	31.10.2024	**Detailed study of the following animal belonging to** Pisces - Type study- *Labeo* Scales & fins of Pisces **Classification up to orders with brief ecological note and economic importance (if any) of the following:** **Chondrichthyes**: *Zygaena* (Hammer headed shark), *Pristis* (saw fish), *Narcine* (electric Ray), *Trygon, Rhinobatus and Chimaera* (rabbit fish). **Actinopterygii:** *Polypterus, Acipenser, Lepisosteus, Muraena, Mystus, Catla, Hippocampus, Syngnathus, Exocoetus, Anabas, Diodon, Tetradon, Echeneis and Solea.* **Dipneusti (Dipnoi):** *Protopterus* (lungfish) **MST**	Power point presentation, group discussion, assignments, Flipped classroom method Practical demonstration using Museum specimens, PPT, Group discussion Online resource (Digi Frog software)
Departmental Meeting on 29.10.2024 to review the progress of syllabus as per lesson plans				
November	01.11.2024	18.11.2024	**Detailed Type study of the following animal of Amphibia:** *Hoplobatrachus tigerinus* **Classification of the animals up to orders relating to the following groups along with brief ecological notes of the following:** Amphibia: *Uraeotyphlus, Necturus, Amphiuma, Amblystoma and its Axolotl Larva, Triton, Salamandra, Hyla, Rhacophorus* Concept and evidence of organic evolution. Theories of organic evolution. Origin of life. **Revision and Class test**	Power point presentation, group discussion, assignments, Flipped classroom method Practical demonstration using Museum specimens, PPT, Group discussion Online resource (Digi Frog software)
Departmental Meeting on 18.11.2024 to review the completion of syllabus as per lesson plans				
End semester Examination 19.11.2024 to 26.12.2024				

Lesson Plan

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

Monthly Teaching Plans- Even Semester (Semester-IV)

Session – 2024-25

Department- Zoology

Name of the Teacher- Dr. Sarabjeet Kaur

Class- B.Sc. II (Medical)

Single section

Subject- Zoology

PAPER–I: Biodiversity (Chordates) & Evolution-II (ZOO- 401)

Month	Date		Topics to be Covered	Academic Activity to be Undertaken
	From	To		
January	10.01.2025	31.01.2025	**Detailed study of the following animal types:** Reptilia - *Uromastix* **Classification of the animals up to orders relating to the following groups along with brief ecological notes of the following:** **Reptilia:** *Chelone(turtle), Testudo (Tortoise), Hemidactylus (wall lizard), Calotes, Draco, Varanus, Phrynosoma, Chamaeleon, Typhlops, Python, Eryx, Bungarus, Naja, Hydrus, Vipera, Crocodilus, Gavialis* and *Alligator.* Poisonous and non-poisonous snakes, Poison apparatus in snakes**.**	Power point presentation, group discussion, assignments, Flipped classroom method Practical demonstration using Museum specimens, PPT, Group discussion Online resource (Digi Frog software)
Departmental Meeting on 22.01.2025 to review the progress of syllabus as per lesson plans				
February	01.02.2025	28.02.2025	**Detailed study of the following animal types:** Aves – *Pigeon* Flight adaptations in birds. **Classification of the animals up to orders relating to the following groups along with brief ecological notes of the following:** **Aves:** *Ardea, Milvus, Pavo, Tyto, Alcedo, Eudynamis and Casuarius***.** **MST**	Power point presentation, group discussion, assignments, Flipped classroom method Practical demonstration using Museum specimens, PPT, Group discussion Online resource (Digi Frog software)
Departmental Meeting on 27.02.2025 to review the progress of syllabus as per lesson plans				

March	01.03.2025	31.03.2025	**Detailed study of the following animal types:** Mammals – *Rat* **Dentition in mammals** **Classification of the animals up to orders relating to the following groups along with brief ecological notes of the following:** **Mammalia:** *Ornithorhynchus, Echidna, Didelphis, Macropus (Kangaroo), Loris, Macaca, Manis (Scaly anteater), Hystrix (porcupine), Funambulus (Squirrel) Panthera, Canis, Herpestes (Mongoose), Capra, Pteropus.*	Power point presentation, group discussion, assignments, Flipped classroom method Practical demonstration using Museum specimens, PPT, Group discussion Online resource (Digi Frog software)
Departmental Meeting on 27.03.2025 to review the progress of syllabus as per lesson plans				
April	01.04.2025	26.04.2025	Concept of micro, macro and mega evolution. Biological concept of species. Fossils and dating of fossils. Evolution of man. **Revision and Class test**	Power point presentation, group discussion, assignments, Flipped classroom method
Departmental Meeting on 26.04.2025 to review the completion of syllabus as per lesson plans				
End semester Examination 28.04.2025 to 04.06.2025				