

Lesson Plan
Mehr Chand Mahajan DAV College for Women, Sector – 36A, Chandigarh
Monthly Teaching Plans- Odd Semester (Semester-III)
Session – 2022-23

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		
August	17.08.2022	31.08.2022	Chordates – Origin, Parental care and migration Protochordates - Urochordata - Type Study – <i>Herdmania</i> except development	Powerpoint presentation, group discussion, assignments, Flipped classroom method
Departmental Meeting to Coordinate and Review the Monthly completion of Syllabus as per lesson plans on 28.08.2022				
September	01.09.2022	30.09.2022	Cephalochordata- Type Study - <i>Amphioxus</i> (except development) Classification of the animals up to orders relating to the following groups along with brief ecological notes of the following: Protochordates: <i>Herdmania, Molgula, Pyrosoma, Doliolum, Salpa, Oikopleura & Amphioxus</i> (excluding development). Cyclostomata – External Characters of <i>Petromyzon</i> & affinities of Cyclostomata Classification upto orders with brief ecological note and economic importance (if any) of the following: Cyclostomata: <i>Myxine, Petromyzon & Ammocoetes</i> larva.	Powerpoint presentation, group discussion, assignments, Flipped classroom method Practical demonstration using Museum specimens, PPT, Group discussion
Departmental Meeting to Coordinate and Review the Monthly completion of Syllabus as per lesson plans on 02.09.2022				
October	01.10.2022	31.10.2022	Detailed study of the following animal belonging to Pisces - Type study- <i>Labeo</i> Scales & fins of Pisces Classification upto orders with brief ecological note and economic importance (if any) of the following: Chondrichthyes: <i>Zygaena</i> (Hammer headed shark), <i>Pristis</i> (saw fish), <i>Narcine</i> (electric Ray), <i>Trygon, Rhinobatus and Chimaera</i> (rabbit fish). Actinopterygii: <i>Polypterus, Acipenser, Lepisosteus, Muraena, Mystus, Catla, Hippocampus, Syngnathus, Exocoetus, Anabas, Diodon, Tetradon, Echeneis and Solea.</i> Dipneusti (Dipnoi): <i>Protopterus</i> (lungfish) MST	Powerpoint presentation, group discussion, assignments, Flipped classroom method Practical demonstration using Museum specimens, PPT, Group discussion Online resource (Digi Frog software)

Departmental Meeting to Coordinate and Review the Monthly completion of Syllabus as per lesson plans on 03.10.2022				
November	01.11.2022	25.11.2022	<p>Detailed Type study of the following animal of Amphibia: <i>Hoplobatrachus tigerinus</i></p> <p>Classification of the animals up to orders relating to the following groups along with brief ecological notes of the following:</p> <p>Amphibia: <i>Uraeotyphlus, Necturus, Ambhiuma, Amblystoma and its Axolotl Larva, Triton, Salamandra, Hyla, Rhacophorus</i></p> <p>Concept and evidences of organic evolution.</p> <p>Theories of organic evolution.</p> <p>Origin of life.</p>	<p>Powerpoint presentation, group discussion, assignments, Flipped classroom method</p> <p>Practical demonstration using Museum specimens, PPT, Group discussion Online resource (Digi Frog software)</p>
Departmental Meeting to Coordinate and Review the Monthly completion of Syllabus as per lesson plans on 22.11.2022				
End semester Examination 28.11.2022 to 31.12.2022				

Lesson Plan
Mehr Chand Mahajan DAV College for Women, Sector – 36A, Chandigarh
Monthly Teaching Plans- Even Semester (Semester-IV)
Session – 2022-2023
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	16.01.2023	31.01.2023	<p>Detailed study of the following animal types: Reptilia - <i>Uromastix</i></p> <p>Classification of the animals up to orders relating to the following groups along with brief ecological notes of the following: Reptilia: <i>Chelone</i>(turtle), <i>Testudo</i>(Tortoise), <i>Hemidactylus</i> (wall lizard), <i>Calotes</i>, <i>Draco</i>, <i>Varanus</i>, <i>Phrynosoma</i>, <i>Chamaeleon</i>, <i>Typhlops</i>, <i>Python</i>, <i>Eryx</i>, <i>Bungarus</i>, <i>Naja</i>, <i>Hydrus</i>, <i>Vipera</i>, <i>Crocodylus</i>, <i>Gavialis</i> and <i>Alligator</i>. Poisonous and non-poisonous snakes, Poison apparatus in snakes.</p>	<p>Powerpoint presentation, group discussion, assignments, Flipped classroom method</p> <p>Practical demonstration using Museum specimens, PPT, Group discussion Online resource (Digi Frog software)</p>
Departmental Meeting to Coordinate and Review the Monthly completion of Syllabus as per lesson plans on 17.01.2023				
February	01.02.2023	28.02.2023	<p>Detailed study of the following animal types: Aves – <i>Pigeon</i></p> <p>Flight adaptations in birds.</p> <p>Classification of the animals up to orders relating to the following groups along with brief ecological notes of the following: Aves: <i>Ardea</i>, <i>Milvus</i>, <i>Pavo</i>, <i>Tyto</i>, <i>Alcedo</i>, <i>Eudynamis</i> and <i>Casuarinus</i>.</p> <p>MST</p>	<p>Powerpoint presentation, group discussion, assignments, Flipped classroom method</p> <p>Practical demonstration using Museum specimens, PPT, Group discussion Online resource (Digi Frog software)</p>
Departmental Meeting to Coordinate and Review the Monthly completion of Syllabus as per lesson plans on 02.02.2023				
March	01.03.2023	31.03.2023	<p>Detailed study of the following animal types: Mammals – <i>Rat</i></p> <p>Classification of the animals up to orders relating to the following groups along with brief ecological notes of the following: Mammalia: <i>Ornithorhynchus</i>, <i>Echidna</i>,</p>	<p>Powerpoint presentation, group discussion, assignments, Flipped classroom method</p> <p>Practical demonstration using Museum specimens, PPT, Group discussion</p>

			<i>Didelphis, Macropus (Kangaroo), Loris, Macaca, Manis (Scaly ant eater), Hystrix (porcupine), Funambulus (Squirrel) Panthera, Canis, Herpestes (Mongoose), Capra, Pteropus.</i> Dentition in mammals	Online resource (Digi Frog software)
Departmental Meeting to Coordinate and Review the Monthly completion of Syllabus as per lesson plans on 02.03.2023				
April	01.04.2023	29.04.2023	Concept of micro, macro and mega evolution. Biological concept of species. Fossils and dating of fossils. Evolution of man.	Powerpoint presentation, group discussion, assignments, Flipped classroom method
Departmental Meeting to Coordinate and Review the Monthly completion of Syllabus as per lesson plans on 03.04.2023				
End semester Examination 02.05.2023 to 03.06.2023				