

Lesson Plan

**Mehr Chand Mahajan DAV College for Women, Sector – 36A, Chandigarh**  
**Monthly Teaching Plans- Odd Semester (Semester-III)**  
**Session – 2019-20**

**Department- Zoology**

**Name of the Teacher- Dr. Sarabjeet Kaur**

**Class- B.Sc. II (Medical)**

**Section - A (Single section)**

**Subject- Zoology**

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

Month	Date		Topics to be Covered	Academic Activity Undertaken
	From	To		
July	23.07.2019	31.07.2019	Cyclostomata – External Characters of Petromyzon & affinities of Cyclostomata.	Lecture method, PPT
August	01.08.2019	31.08.2019	<b>Classification upto orders with brief ecological note and economic importance (if any) of the following:</b> <b>Cyclostomata:</b> <i>Myxine</i> , <i>Petromyzon</i> & <i>Ammocoetes</i> larva. <b>Chondrichthyes:</b> <i>Zygaena</i> (Hammer headed shark), <i>Pristis</i> (saw fish), <i>Narcine</i> (electric Ray), <i>Trygon</i> , <i>Rhinobatus</i> and <i>Chimaera</i> (rabbit fish). <b>Actinopterygii:</b> <i>Polypterus</i> , <i>Acipenser</i> , <i>Lepisosteus</i> , <i>Muraena</i> , <i>Mystus</i> , <i>Catla</i> , <i>Hippocampus</i> , <i>Syngnathus</i> , <i>Exocoetus</i> , <i>Anabas</i> , <i>Diodon</i> , <i>Tetradon</i> , <i>Echeneis</i> and <i>Solea</i> . <b>Dipneusti (Dipnoi):</b> <i>Protopterus</i> (lung fish)  <b>Detailed study of the following animal belonging to Pisces - Type study- <i>Labeo</i></b> Scales & fins of Pisces	Practical demonstration using Museum specimens
<b>Departmental Meeting on 03.09.19 to Coordinate and Review the Monthly completion of Syllabus as per lesson plans</b>				
September	01.09.2019	30.09.2019	<b>Classification of the animals up to orders relating to the following groups along with brief ecological notes of the following:</b> Amphibia: <i>Uraeotyphlus</i> , <i>Necturus</i> , <i>Ambhiuma</i> , <i>Amblystoma</i> and its <i>Axolotl</i> Larva, <i>Triton</i> , <i>Salamandra</i> , <i>Hyla</i> , <i>Rhacophorus</i> <b>Detailed study of the following Type animal of Amphibia: <i>Hoplobatrachus</i></b>	Practical demonstration using Museum specimens  Lecture method, PPT

			<i>tigerinus</i>	
<b>Departmental Meeting 05.10.19 to Coordinate and Review the Monthly completion of Syllabus as per lesson plans</b>				
October	01.10.2019	31.10.2019	<p><b>Chordates</b> – Origin, Parental care and migration</p> <p><b>Classification of the animals up to orders relating to the following groups along with brief ecological notes of the following:</b></p> <p><b>Protochordates</b> : <i>Herdmania, Molgula, Pyrosoma, Doliolum, Salpa, Oikopleura &amp; Amphioxus</i> (excluding development).</p> <p><b>Protochordates</b> - Urochordata - Type Study – <i>Herdmania</i> except development.</p> <p><b>MST</b></p>	<p>Lecture method, PPT</p> <p>Practical demonstration using Museum specimens</p> <p>Lecture method, PPT</p>
<b>Departmental Meeting 01.11.18 to Coordinate and Review the Monthly completion of Syllabus as per lesson plans</b>				
November	01.11.2019	30.11.2019	<p><b>Cephalochordata</b>- Type Study - <i>Amphioxus</i> (except development)</p> <p>Concept and evidences of organic evolution.</p> <p>Theories of organic evolution.</p> <p>Origin of life.</p>	<p>Practical demonstration using Museum specimens</p> <p>Lecture method, PPT, Videos</p>
<b>Departmental Meeting on 30.11.19 to Coordinate and Review the Monthly completion of Syllabus as per lesson plans</b>				

**Lesson Plan**  
**Mehr Chand Mahajan DAV College for Women, Sector – 36A, Chandigarh**  
**Monthly Teaching Plans- Even Semester (Semester-IV)**  
**Session – 2018-19**

**Department- Zoology**

**Name of the Teacher- Dr. Sarabjeet Kaur**

**Class- B.Sc. II (Medical)**

**Section - A (Single section)**

**Subject- Zoology**

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

Month	Date		Topics to be Covered	Academic Activity Undertaken
	From	To		
January	9.01.2020	31.01.2020	<b>Classification of the animals up to orders relating to the following groups along with brief ecological notes of the following:</b> <b>Reptilia:</b> <i>Chelone(turtle), Testudo(Tortoise), Hemidactylus (wall lizard), Calotes, Draco, Varanus, Phrynosoma, Chamaeleon, Typhlops, Python, Eryx, Bungarus, Naja, Hydrus, Vipera, Crocodilus, Gavialis and Alligator.</i>	Practical demonstration using Museum specimens, PPT, Group discussion
<b>Departmental Meeting on 01.02.20 to Coordinate and Review the Monthly completion of Syllabus as per lesson plans</b>				
February	01.02.2020	29.02.2020	Poisonous and non-poisonous snakes, Poison apparatus in snakes.  <b>Detailed study of the following animal types:</b> Reptilia - <i>Uromastix</i>	Lecture method, PPT  Lecture method, PPT, Online resource (Digi Frog software)
<b>Departmental Meeting on 05.03.20 to Coordinate and Review the Monthly completion of Syllabus as per lesson plans</b>				
March	01.03.2020	31.03.2020	<b>Classification of the animals up to orders relating to the following groups along with brief ecological notes of the following:</b> <b>Aves:</b> <i>Ardea, Milvus, Pavo, Tyto, Alcedo, Eudynamis and Casuarius.</i>  <b>Detailed study of the following animal types:</b> <i>Aves – Pigeon</i>  <b>Flight adaptations in birds.</b> <b>Classification of the animals up to orders relating to the following groups along with brief ecological notes of the following:</b> <b>Mammalia:</b> <i>Ornithorhynchus, Echidna, Didelphis, Macropus (Kangaroo), Loris, Macaca, Manis</i>	Practical demonstration using Museum specimens, PPT, Group discussion  Lecture method, PPT, Online resource (Digi Frog software)  Lecture method, PPT Practical demonstration using Museum specimens, PPT, Group discussion

			<p>(<i>Scaly ant eater</i>), <i>Hystrix</i> (<i>porcupine</i>), <i>Funambulus</i> (<i>Squirrel</i>) <i>Panthera</i>, <i>Canis</i>, <i>Herpestes</i> (<i>Mongoose</i>), <i>Capra</i>, <i>Pteropus</i>.</p> <p><b>Dentition in mammals</b></p> <p><b>MST</b></p>	Lecture method, PPT
<b>Departmental Meeting on 02.04.20 to Coordinate and Review the Monthly completion of Syllabus as per lesson plans</b>				
April	01.04.2020	18.04.2020	<p><b>Detailed study of the following animal types:</b> Mammals – <i>Rat</i></p> <p><b>Concept of micro, macro and mega evolution.</b> <b>Biological concept of species.</b> <b>Fossils and dating of fossils.</b> <b>Evolution of man.</b></p> <p><b>Revision and Class test</b></p>	<p>Lecture method, PPT, Online resource (Digi Frog software)</p> <p>Lecture method, PPT, Group Discussion</p>
<b>Departmental Meeting on 20.04.20 to Coordinate and Review the Monthly completion of Syllabus as per lesson plans</b>				