

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

Names of the Teachers- Dr. Neetu (Sec-A)
Dr. Sarabjeet Kaur (Sec-B)

Class- B.Sc. I (Medical)
Sections- A & B
Subject- Zoology
Paper–II: Biodiversity & Cell Biology-II (ZOO-102)

Month	Date		Topics to be Covered	Academic Activity to be Undertaken
	From	To		
August	25.08.2022	31.08.2022	Lysosomes: Lysosomal enzymes, Polymorphism and functions Centrosome: Structure and functions	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	Detailed study of the following animal types Aschelminthes: <i>Ascaris</i> Classification upto orders with brief ecological note and economic importance (if any) of the following: Aschelminthes: <i>Ascaris, Oxyuris, Wuchereria</i> Parasitic adaptations in Helminths Classification upto orders with brief ecological note and economic importance (if any) of the following: Platyhelminthes: <i>Dugesia, Schistosoma and Echinococcus</i>	Powerpoint presentation, group discussion, assignments, Flipped classroom method Practical demonstration using museum specimens, group discussions
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 type: Annelida: <i>Pheretima</i> Classification upto orders with brief ecological note and economic importance (if any) of the following: Annelida: <i>Nereis, Polynoe, Eunice, Arenicola, Aphrodite, Amphitrite, Chaetopterus, Tubifex and Pontobdella.</i> MST	Powerpoint presentation, group discussion, assignments, Flipped classroom method Practical demonstration using museum specimens, group discussions
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 study of the following animal types: Platyhelminthes: <i>Fasciola</i>, <i>Taenia</i></p> <p>Ribosomes: Types of ribosomes, their structure and functions</p> <p>Cell transformation into Cancer: Introduction, difference between normal and Cancer cells, types of cancer, basic idea of transformation.</p> <p>Cellular basis of immunity: Cellular & Humoral immunity. Elementary idea of cells & organs of the immune system</p> <p>Nucleus: Structure and functions of nuclear membrane, nucleolus and chromosomes. Euchromatin & Heterochromatin</p>	Powerpoint presentation, group discussion, assignments, Flipped classroom method
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-II)
Session – 2022-23
Department- Zoology
Names of the Teachers- Dr. Neetu (Sec-A)
Dr. Sarabjeet Kaur (Sec-B)

Class- B.Sc. I (Medical)
Sections- A & B
Subject- Zoology
Paper-II: BIODIVERSITY & ECOLOGY - II (ZOO-202)

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 type: Mollusca: <i>Pila</i></p> <p>Classification up to orders with ecological notes and economic importance (if any) Mollusca: <i>Chiton, Anodonta, Mytilus, Ostrea, Cardium, Pholas, Solen</i> (RazorFish), <i>Pecten, Haliotis, Patella, Aplysia, Doris, Limax, Loligo, Sepia, Octopus, Nautilus</i> and <i>Dentalium</i></p>	<p>Powerpoint presentation, group discussion, assignments, Flipped classroom method</p> <p>Practical demonstration using museum specimens, group discussions</p>
Departmental Meeting to Coordinate and Review the Monthly completion of Syllabus as per lesson plans on 02.01.2023				
February	01.02.2023	28.02.2023	<p>Detailed study of the following animal types: Echinodermata: <i>Asterias</i>, Echinoderm Larvae.</p> <p>Classification up to orders with ecological notes and economic importance (if any) Echinodermata: <i>Echinus, Cucumaria, Ophiothrix, Antedon</i> and <i>Asterias</i>.</p> <p>MST</p>	<p>Powerpoint presentation, group discussion, assignments, Flipped classroom method</p> <p>Practical demonstration using museum specimens, group discussions</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: Hemichordata: <i>Balanoglossus</i>, External characters and affinities.</p> <p>Classification up to orders with ecological notes and economic importance (if any): Hemichordata: <i>Balanoglossus</i>.</p>	<p>Powerpoint presentation, group discussion, assignments, Flipped classroom method</p> <p>Practical demonstration using museum specimens, group discussions</p>
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	Natural resources: Renewable and	Powerpoint presentation, group discussion,

			<p>nonrenewable natural resources and their conservation.</p> <p>Environmental Degradation: Causes, impact and control of environmental pollution. (Air, Water, Land, Noise)</p> <p>Inter and intra ecological relationships: Competition, predation, parasitism, commensalism, amensalism & mutualism</p> <p>Biotic community: Characteristics, ecological succession, ecological niche.</p> <p>Revision and Class test</p>	<p>assignments, Flipped classroom method</p>
<p>Departmental Meeting to Coordinate and Review the Monthly completion of Syllabus as per lesson plans on 03.04.2023</p>				
<p>End semester Examination 02.05.2023 to 03.06.2023</p>				