**Lesson Plan**

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

**Monthly Teaching Plans- Odd Semester (Semester-III)**

**Session – 2020-21**

**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)**

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| **Month** | **Date**  | **Topics to be Covered** | **Academic Activity Undertaken** |
| **From** | **To** |
| August | 13.08.2020 | 31.08.2020 | **Cyclostomata–** External Characters of Petromyzon & affinities of Cyclostomata. | Lecture method, PPT, Google Suite, assignments |
| September | 01.09.2020 | 30.09.2020 | **Classification upto orders with brief ecological note and economic importance (if any) of the following:****Cyclostomata**: *Myxine, Petromyzon* & *Ammocoetes* larva. **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)**Detailed study of the following animal belonging to** Pisces - Type study- *Labeo* Scales & fins of Pisces | Practical demonstration using Museum specimens |
| **Departmental Meeting on 01.10.2020 to Coordinate and Review the Monthly completion of Syllabus as per lesson plans** |
| October | 01.10.2020 | 31.10.2020 | **Classification of the animals up to orders relating to the following groups along with brief ecological notes of the following:**Amphibia: *Uraeotyphlus, Necturus, Ambhiuma, Amblystoma and its Axolotl Larva, Triton, Salamandra, Hyla, Rhacophorus* **Detailed study of the following Type animal of Amphibia:** *Hoplobatrachus tigerinus* | Practical demonstration using Museum specimens, assignmentsLecture method, PPT, VideosPractical demonstration using Museum specimens |
| November | 01.11.2020 | 30.11.2020 | **Chordates** – Origin, Parental care and migrationConcept and evidences of organic evolution. Theories of organic evolution. Origin of life.  | Lecture method, PPT, Google Suite, assignmentsPractical demonstration using Museum specimens |
| **Departmental Meeting 03.11.2020 to Coordinate and Review the Monthly completion of Syllabus as per lesson plans** |
| December | 01.12.2020 | 24.12.2020 |  **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). **MST** | Practical demonstration using Museum specimensLecture method, PPT, Videos, Google Suite |
| **Departmental Meeting on 03.01.2021 to Coordinate and Review the Monthly completion of Syllabus as per lesson plans** |
| January  | 01.01.2021 | 31.01.2021 | **Protochordates -** Urochordata - Type Study – *Herdmania* except development.**Cephalochordata-** Type Study - *Amphioxus* (except development) | Lecture method, PPT, Videos, Google Suite, assignments |
| February | 01.02.2021 | 10.02.2021 | REVISION |  |
| **Departmental Meeting 02.02.2021 to Coordinate and Review the Monthly completion of Syllabus as per lesson plans** |

**Lesson Plan**

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

**Monthly Teaching Plans- Even Semester (Semester-IV)**

**Session – 2020-21**

**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)**

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| **Month** | **Date**  | **Topics to be Covered** | **Academic Activity Undertaken** |
| **From** | **To** |
| April | 01.04.2021 | 30.04.2021 | **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**.** **Detailed study of the following animal types:**Reptilia - *Uromastix* | Practical demonstration using Museum specimens,PPT, Group discussion |
| **Departmental Meeting to coordinate and review the monthly completion of syllabus as per lesson plans** |
| May | 01.05.2021 | 31.05.2021 | **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***.** **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:** **Mammalia:** *Ornithorhynchus, Echidna, Didelphis, Macropus (Kangaroo), Loris, Macaca, Manis (Scaly ant eater), Hystrix (porcupine), Funambulus (Squirrel) Panthera, Canis,Herpestes (Mongoose), Capra, Pteropus.***Dentition in mammals****MST** | Practical demonstration using Museum specimens,PPT, Group discussion, Lecture method, Online resource (Digi Frog software) |
| **Departmental Meeting to coordinate and review the monthly completion of syllabus as per lesson plans** |
| June | 01.06.2021 | 30.06.2021 | **Detailed study of the following animal types:**Mammals – *Rat* **Revision and Class test** | Lecture method, PPT, Online resource (Digi Frog software), Group Discussion |
| July | 01.07.2021 | 31.07.2021 | **Concept of micro, macro and mega evolution.****Biological concept of species. Fossils and dating of fossils. Evolution of man.**  | Lecture method, PPT, Group Discussion |
| **Departmental Meeting to coordinate and review the monthly completion of syllabus as per lesson plans** |