**Lesson Plan**

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

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

**Session – 2020-21**

**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)**

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| **Month** | **Date**  | **Topics to be Covered** | **Academic Activity Undertaken** |
| **From** | **To** |  |
| September | 14.09.2020 | 30.09.2020 | **Lysosomes:** Lysosomal enzymes, Polymorphism and functions**Centrosome:** Structure and functions | Online lectures through Google meet, PPT, videos |
| October | 01.10.2020 | 31.10.2020 | **Classification upto orders with brief ecological note and economic importance (if any) of the following:**Platyhelminthes: *Dugesia, Schistosoma and Echinococcus***Detailed study of the following animal types:** Platyhelminthes: *Fasciola, Taenia* | Online lectures through Google meet, PPT, videos |
| **Departmental Meeting to Coordinate and Review the Monthly completion of Syllabus as per lesson plans on 03.11.2020** |
| November | 01.11.2020 | 30.11.2020 |  **Ribosomes:** Types of ribosomes, their structure and functions**Cell transformation into Cancer:** Introduction, difference between normal and Cancer cells, types of cancer, basic idea of transformation. **Cellular basis of immunity:** Cellular & Humoral immunity. Elementary idea of cells & organs of the immune system . | Online lectures through Google meet, PPT, videos |
| **Departmental Meeting to Coordinate and Review the Monthly completion of Syllabus as per lesson plans on 02.12.2020** |
| December | 01.12.2020 | 31.12.2020 | **Classification upto orders with brief ecological note and economic importance (if any) of the following:**Aschelminthes: *Ascaris, Oxyuris, Wuchereria*Parasitic adaptations in Helminths**Detailed study of the following animal types** Aschelminthes: *Ascaris***MST** | Online lectures through Google meet, PPT, videos |
| **Departmental Meeting to Coordinate and Review the Monthly completion of Syllabus as per lesson plans on 03.01.2021** |
| January | 01.01.2021 | 31.01.2021 | **Detailed study of the following animal type:**Annelida: *Pheretima***Classification upto orders with brief ecological note and economic importance (if any) of the following:**Annelida: *Nereis, Polynoe,**Eunice, Arenicola, Aphrodite,**Amphitrite, Chaetopterus, Tubifex* *and Pontobdella.* | Online lectures through Google meet, PPT, videos, PPT and group discussion |
| **Departmental Meeting to Coordinate and Review the Monthly completion of Syllabus as per lesson plans on 02.02.2020** |
| February | 01.02.2021 | 10.02.2020 | **Nucleus:** Structure and functions of nuclear membrane, nucleolus and chromosomes. Euchromatin & Heterochromatin**Revision and Class test** | Online lectures through Google meet, PPT, videos  |

**Lesson Plan**

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

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

**Session – 2020-21**

**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)**

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| **Month** | **Date**  | **Topics to be Covered** | **Academic Activity Undertaken** |
| **From** | **To** |
| April | 01.04.2021 | 30.04.2021 | **Detailed study of the following animal type: Mollusca:** *Pila* **Classification up to orders with ecological notes and economic importance (if any) Mollusca:** *Chiton, Anodonta, Mytilus, Ostrea, Cardium, Pholas, Solen* (RazorFish), *Pecten, Haliotis, Patella, Aplysia, Doris, Limax, Loligo, Sepia, Octopus, Nautilus* and *Dentalium* | Lecture method, PPT, Practical demonstration using museum specimens |
| **Departmental Meeting to Coordinate and Review the Monthly completion of Syllabus as per lesson plan** |
| May | 01.05.2021 | 31.05.2021 | **Detailed study of the following animal types: Echinodermata:** *Asterias*, Echinoderm Larvae. **Classification up to orders with ecological notes and economic importance (if any) Echinodermata:** *Echinus, Cucumaria, Ophiothrix, Antedon* and *Asterias.*  **MST** | Lecture method, PPT, Practical demonstration using museum specimens |
| **Departmental Meeting to Coordinate and Review the Monthly completion of Syllabus as per lesson plan**  |
| June | 01.06.2021 | 30.06.2021 |  **Detailed study of the following animal types: Hemichordata:** *Balanoglossus*, External characters and affinities. **Classification up to orders with ecological notes and economic importance (if any ):Hemichordata** : *Balanoglossus*. | Lecture method, PPT, Practical demonstration using museum specimens |
| July | 01.07.2021 | 31.07.2021 | **Natural resources:** Renewable and nonrenewable natural resources and their conservation.**Environmental Degradation:** Causes, impact and control of environmental pollution. (Air, Water, Land, Noise)**Inter and intra ecological relationships:** Competition, predation, parasitism, commensalism, ammensalism & mutualism **Biotic community:** Characteristics, ecological succession, ecological niche.  **Revision and Class test** | Lecture method, PPT and group discussions |
| **Departmental Meeting to Coordinate and Review the Monthly completion of Syllabus as per lesson plan** |