**Name of the Teacher: Zeenat Madan**  **Class: B.Sc.III (5th Semester) Medical & Biotechnology**

**Lesson Plan**

**Paper I: Environmental Biology**

**Paper II: Evolution & Developmental Biology**

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| **S No** | **Period** | **Topics to be Covered** | **Academic Activity to be Organized** |
|  | **17-31 July 2017** | * **Introduction of Syllabus** * **Gametogenesis and Egg Membranes** * **Origin of Life I & II** * **Phylogeny of Horse** * **Phylogeny of Man** | **Chalk Board Method**  **Powerpoint Presentations**  **Group Discussion**  **Video Tutorials** |
|  | **01-31 Aug 2017** | * **Fertilization and Parthenogenesis** * **Cleavage and Blastulation** * **Development of Frog** * **Embryonic Induction** * **Evidences of Evolution** | **Chalk Board Method**  **Powerpoint Presentations**  **Seminar by Students**  **Classroom Quiz**  **Video Tutorials**  **Microscopic Slides** |
|  | **01-30 Sept 2017** | * **Repair and Regeneration** * **Development of Chick** * **Extra embryonic Membranes** * **Theories of Evolution** * **Concept of Species** | **Chalk Board Method**  **Powerpoint Presentations**  **Seminar by Students**  **Group Discussion**  **Microscopic Slides** |
|  | **01-31 Oct 2017** | * **Basic Concepts of Ecology** * **Abiotic and Biotic Factors** * **Ecosystem** * **Biogeochemical Cycles** * **Population Ecology & Interactions** | **Chalk Board Method**  **Powerpoint Presentations**  **Presentations by Students**  **Experiments related to Ecology** |
|  | **01-13 Nov 2017** | * **Environmental Pollution** * **Migration in Fishes & Birds** * **Parental Care in Animals** | **Chalk Board Method**  **Powerpoint Presentation**  **Video Tutorials** |

**Topics of Assignments/ Class Tests to be given to the Students:**

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| **Assignment 1** | **Theories & Evidences of Evolution** |
| **Assignment 2** | **Development of Chick** |
| **Class Test** | **Development of Frog** |

**Name of the Teacher: Zeenat Madan**  **Class: B.Sc.II (3rd Semester) Medical & Biotechnology**

**Lesson Plan**

**Paper I: Life and Diversity of Chordates**

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| **S No** | **Period** | **Topics to be Covered** | **Academic Activity to be Organized** |
|  | * 1. **July 2017** | * **Introduction of Phylum Chordata** * **Classification of Urochordata** * **Classification of Cephalochordata** | **Chalk Board Method**  **Powerpoint Presentations**  **Video Tutorials**  **Demonstration of Specimens** |
|  | **01-31 Aug 2017** | * **Type Study of Herdmania** * **Type Study of Branchiostoma** | **Chalk Board Method**  **Powerpoint Presentations**  **Seminar by Students**  **Video Tutorials**  **Anatomical study by Diagrams** |
|  | **01-30 Sept 2017** | * **Classification of Cyclostomata** * **Type Study of Petromyzon** | **Chalk Board Method**  **Powerpoint Presentations**  **Seminar by Students**  **Video Tutorials**  **Anatomical study by Diagrams** |
|  | **01-31 Oct 2017** | * **Classification of Chondrichthyes** * **Classification of Osteichthyes** * **Type Study of Labeo rohita** | **Chalk Board Method**  **Powerpoint Presentations**  **Video Tutorials**  **Specimen Study**  **Group Discussion** |
|  | **01-13 Nov 2017** | * **Scales of Fishes** * **Fins of Fishes** | **Chalk Board Method**  **Microscopic Slides**  **Preparation of Slides** |

**Topics of Assignments/ Class Tests to be given to the Students:**

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| **Assignment 1** | **Digestive, Respiratory, Circulatory Systems of Herdmania & Branchiostoma** |
| **Assignment 2** | **-** |
| **Class Test** | **Type Study of Herdmania** |