**LESSON PLAN**

**OF**

**ZOOLOGY DEPT.**

**UG Courses**

**ODD Semester**



**2023-24**

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**Indira Gandhi Mahila Mahavidyalaya,Kaithal**

**(2023– 2024)**

**Subject Code- ZOO-101 Class – B. Sc.**

**Subject – Zoology Sem.- 1st**

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| **Sr. No.** | **Date** | **Course content** |
| **1** | **24July-29July** | Phylum Protozoa:  General characters and classification up to class level. |
| **2** | **31July- 5 Aug** | Type study of Plasmodium. |
| **3** | **7Aug - 12Aug** | Phylum Porifera:  General characters and classification up to class level. |
| **4** | **14Aug - 19Aug** | Type study of Sycon. |
| **5** | **21Aug - 26 Aug** | Phylum – Coelentrata:  General characters and classification up to class level. |
| **6** | **28 Aug - 2Sep** | Type Study of Obelia. |
| **7** | **4Sep - 9Sep** | Phylum – Platyhelminthes and Aschelminthes:  General characters and classification up to class level. |
| **8** | **11 Sep - 16Sep** | Type study of Earthworm, Pheretima posthuma (Habitat, habits, metamerism, digestive System, circulatory system, nervous system, reproductive system. |
| **9** | **18 Sep - 23Sep** | Phylum – Arthropoda:  General characters and classification up to class level. |
| **10** | **25 Sep – 30 Sep** | Type study of Cockroach, Periplaneta americana (Habitat, habits, external morphology, digestive system, respiratory system, excretory system, reproductive system ). |
| **11** | **3 Oct - 7Oct** | Phylum - Mollusca:  General characters and classification up to class level. |
| **12** | **9Oct - 14Oct** | Type study of Pila. |
| **13** | **16Oct - 21Oct** | Phylum – Echinodermata:  General characters and classification up to class level. |
| **14** | **23Oct - 28Oct** | Type study of Asterias (Sea Star)  (Habitat, habits, external morphology, water vascular system, Circulatory System) Phylum Hemichordata: General characters of Hemichordates with examples. |
| **15** | **30Oct - 4 Nov** | Phylum Hemichordata: General characters of Hemichordates with examples. |
| **16** | **6 Nov - 9Nov** | Revision and Tests. |
| **17** | **17 Nov - 18 Nov** | Seminar and Revision. |
| **18** | **20 Nov – 24 Nov** | Seminar and Revision. |
| **19** | **28Nov - 2Dec** | Revision and Tests. |
| **20** | **4Dec - 9Dec** | Revision and Tests. |
| **21** | **11Dec - 16Dec** | Revision and Tests. |
| **22** | **18Dec - 23Dec** | Revision and Tests. |
| **23** | **25Dec - 30Dec** | Revision and Tests. |

**Indira Gandhi Mahila Mahavidyalaya,Kaithal**

**(2023– 2024)**

**Subject Code- ZOO-301 Class – B. Sc.**

**Subject – Zoology Sem.- 3rd**

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| **Sr. No.** | **Date** | **Course content** |
| **1** | **24July-29July** | Phylum Chordata.  Subphylum-Urochordata |
| **2** | **31July- 5 Aug** | Type Study-Herdmania.  SubphylumCephalochordata |
| **3** | **7Aug - 12Aug** | Type Study-Amphioxus. |
| **4** | **14Aug - 19Aug** | Class Cyclostomata-Characteristics,Classification.  Type Study-Petromyzon |
| **5** | **21Aug - 26 Aug** | Class Chondrichthyes.  Class Osteichthyes. |
| **6** | **28 Aug - 2Sep** | Type Study-Labeo rohita.  Pisces in general. |
| **7** | **4Sep - 9Sep** | Biochemistry-Introduction and Scope.  Protein-Introduction, Classification,Structure,Function |
| **8** | **11 Sep - 16Sep** | Carbohydrates. |
| **9** | **18 Sep - 23Sep** | Lipids |
| **10** | **25 Sep – 30 Sep** | Enzymes. |
| **11** | **3 Oct - 7Oct** | Biophysics. |
| **12** | **9Oct - 14Oct** | Nutrition. |
| **13** | **16Oct - 21Oct** | Muscle Physiology |
| **14** | **23Oct - 28Oct** | Bones and Bone Disorders. |
| **15** | **30Oct - 4 Nov** | Revision. |
| **16** | **6 Nov - 9Nov** | Revision. |
| **17** | **17 Nov - 18 Nov** | Revision. |
| **18** | **20 Nov – 24 Nov** | Revision. |

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**(2023– 2024)**

**Subject Code- ZOO-501 Class – B. Sc.**

**Subject – Zoology Sem.- 5th**

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| **Sr. No.** | **Date** | **Course Content** |
| **1** | **24July-29July** | Basic Concept of Ecology.  Factors affecting Environment |
| **2** | **31July- 5 Aug** | Introduction to major ecosystem of world.  Ecosystem |
| **3** | **7Aug - 12Aug** | Biogeochemical cycles.  Population. |
| **4** | **14Aug - 19Aug** | Concept of biodiversity and conservation of natural resources.  Migration in fisher and birds.  Parents care in animals |
| **5** | **21Aug - 26 Aug** | Population interactions.  Environments pollution. |
| **6** | **28 Aug - 2Sep** | Historical perspectives,ain and scope of developmental biology.  Gametogenesis and gamete.  Fertilization and parthenogenesis.  Cleavage and blastulation. |
| **7** | **4Sep - 9Sep** | Development of frog.  Development of chick |
| **8** | **11 Sep - 16Sep** | Embryonic induction.  Extra embryonic membranes. |
| **9** | **18 Sep - 23Sep** | Competence,determination and differentiation.  Repair and regeneration |
| **10** | **25 Sep – 30 Sep** | Origin of life-1  Origin of life-2  Organic evolution-1 |
| **11** | **3 Oct - 7Oct** | organic evolution-2:Theories of organic evolution. |
| **12** | **9Oct - 14Oct** | Type of evolution: Micro, macro &mega evolution |
| **13** | **16Oct - 21Oct** | Concept of species.  Phylogeny of horse |
| **14** | **23Oct - 28Oct** | Human Evolution. |
| **15** | **30Oct - 4 Nov** | Revision. |
| **16** | **6 Nov - 9Nov** | Revision. |
| **17** | **17 Nov - 18 Nov** | Revision. |
| **18** | **20 Nov – 24 Nov** | Revision. |