**COURSE OUTCOMES**

**B.Sc - Zoology IInd year**

**Semester- III**

**Subject-** **Life And Diversity Of Chordates-1 (Theory+Practical)**

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| **Co 1**  |  Describe the general character, classification, biodiversity and economic importance of chordates. |
| **Co 2** | Understand the origin and evolutionary tree of chordate |
| **Co3**: | Iillustrate the position, distribution, ecology, and morphology of protochordata. |
| **Co4** | Understand the type study of *Herdmania* and *Amphioxus.* |
| **Co5**  | Theoretical and practical knowledge of general characters and classification of phylum chordate upto orders with examples.  |
| **Co6**. | Illustrate the parental care, scale & fins in fishes and fish migration. |
| **Co7**  | Understand the study of *Petromyzon* and labeo with different body system |

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**Subject-** **Life And Diversity Of Chordates-2 (Theory+Practical)**

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| **Co 1**  | Understand the origin and evolutionary tree of amphibian and reptiles. |
| **Co 2** | Describe the type study of frog and lizard |
| **Co3**:  | Theoretical and practical knowledge of general characters and **:** phylum chordate upto orders with examples classification of |
| **Co4** | Illustrate the parental care in amphibian, extinct reptiles, poisonous and non poisonous snakes in reptiles. |
| **Co5**  | Understand the study of *Columba livia* and rat with different body system. |
| **Co6**. | Describe the flight adaptation and aerodynamics in flight in birds. |
| **Co7**  | Practical Knowledge of procedures of all the physiological tests of sugar , proteins and other blood tests. |
| **Co8** | Study the dentition and adaptive radiations of mammals |

**CREDITS**- 3 **THEORY PERIODS OF EACH PAPER OF 45 MINUTES EACH PER WEEK OVER A SEMESTER**

 **6 PRACTICAL PERIODS OF 45 MINUTES EACH PER WEEK OVER A SEMESTER**

**B.Sc - Zoology IInd year**

**Semester- IV**

**Subject-** **Mammalian Physiology-I (Theory+Practical)**

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| **Co 1**  | Study the classification structure, function and general properties of proteins, carbohydrates and lipids. |
| **Co 2** | Described the classification and mechanism of enzyme action. |
| **Co3** | Understand the process of transport through biomembrane. |
| **Co4** | Illustrate the nutritional components and process of digestion of dietary constituents and absorption of nutrients and assimilation*.* |
| **Co5**  | Study the different types of muscles events during muscles contraction and physical & functional properties of muscles. |
| **Co6** | Describe the structure and function of bones and their disorders. |

 **Subject-** **Mammalian Physiology-II (Theory+Practical)**

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| **Co 1**  | Describe circulation if blood, conduction of heart beat and mechanism of coagulation and assimilation |
| **Co 2** | Illustrate the exchange of respiratory gases, bohr’s effect, chloride shift and regulation of respiration. |
| **Co3** | Understand the process of excretion ammonotelic, urotelic, uricotelic animals, urine formation, counter current mechanism. |
| **Co4** | study the origin and propagation of nerve impulse along with nerve fibre and across synapsis*.* |
| **Co5**  | Describe structure and mechanism of hormon action and glands. |
| **Co6** | Study the process of spermatogenesis, ovulation, formation of corpus lutium fertilisation, implantation and gestation |

**CREDITS**- 3 **THEORY PERIODS OF EACH PAPER OF 45 MINUTES EACH PER WEEK OVER A SEMESTER**

 **6 PRACTICAL PERIODS OF 45 MINUTES EACH PER WEEK OVER A SEMESTER**