

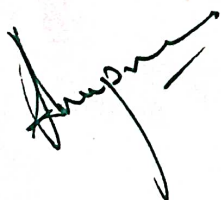
Lesson Plan (Odd Semester)

B.SC. (HONS) CHEMISTRY (3rd Semester)

Teacher's Name : Dr. Poonam

Subject- Zoology as Optional subject

| Week | Name of the Topic |
|-----------------------|---|
| 1 st week | Digestive system: Structure and types of mode of digestive system and its glands. |
| 2 nd week | Digestive system: Process of digestion, assimilation |
| 3 rd week | Digestive system: various disorders. |
| 4 th week | Respiratory system: Structure and functions of respiratory system. |
| 5 th week | Respiratory system: Control and coordination of respiration. |
| 6 th week | Nervous System: General organization: Neuron resting membrane potential and its basis. |
| 7 th week | Nervous System: Origin of action potential and its propagation in myelinated and unmyelinated nerve fibers. |
| 8 th week | Nervous System: Synaptic transmission and types of synapses. |
| 9 th week | Nervous System: Neuro-muscular junction. |
| 10 th week | Nervous System: Physiology of hearing and vision. |
| 11 th week | Muscle: Histology of different types of muscle; Ultra structure of skeletal muscle |
| 12 th week | Muscle: Molecular and chemical basis of muscle contraction |
| 13 th week | Muscle: Characteristics of muscle twitch; Motor unit. |
| 14 th week | Revision and Test |
| 15 th week | Reproductive System: Histology of male and female reproductive systems, Puberty, physiology of male and female reproduction |
| 16 th week | Reproductive System: Methods of contraception (depicted through flow chart); Disorders of reproductive system. |
| 17 th week | Endocrine System: Histology and functions of endocrine glands; Nature of hormones; Mode of action of hormones |
| 18 th week | Endocrine System: Hypothalamus- principal nuclei involved in control of endocrine system, control of anterior pituitary hormones by hypothalamic releasing hormones (neuroendocrine mechanisms). |
| 19 th week | Revision and Test |



Lesson Plan 2023-24 (Odd Sem)

B.SC. (HONS) CHEMISTRY (1st Semester)

Teacher's Name : Dr. Poonam

Subject- Zoology as Optional subject

| Week | Name of the Topic |
|-----------------------|---|
| 1 st week | Protozoa General characters and Reproduction in Protozoa. |
| 2 nd week | Metazoa Origin of metazoa. |
| 3 rd week | Porifera General characters. |
| 4 th week | Structural organization of <i>Sycon</i> . |
| 5 th week | Cnidaria General characters. |
| 6 th week | Polymorphism in Cnidarians. |
| 7 th week | Test |
| 8 th week | Platyhelminthes General characters. |
| 9 th week | <i>Fasciola</i> : Structure and life history. |
| 10 th week | Aschelminthes General characters and Life history of <i>Ascaris</i> |
| 11 th week | Parasitic adaptations of <i>Ascaris</i> . |
| 12 th week | Test |
| 13 th week | Annelida General characters |
| 14 th week | and Adaptive radiations in Polychaeta. |
| 15 th week | Arthropoda General characters and Larval forms of crustacea. |
| 16 th week | Metamorphosis in Insecta. |
| 17 th week | Mollusca General characters and Torsion and detorsion. |
| 18 th week | Echinodermata General characters and Water-vascular system and larval forms. |
| 19 th week | Revision and Test |

