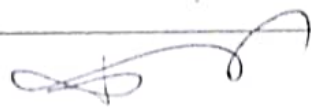


Government PG College, Ambala Cantt.

Subject: Zoology Name of Teacher : Dr. Tarsem Kumar

Lesson Plan Session 2023-24 Class: B.Sc. 3<sup>rd</sup> sem.

Month	Details
August 2023	1. <b>Chordates</b> : Origin and Evolutionary tree. 2. <b>Protochordates</b> : Systematic position, distribution, ecology, morphology and affinities Urochordata <i>Herdmania</i> - type study
September 2023	Cephalochordata, <i>Amphioxus</i> – type study <b>Cyclostomes</b> : Type study of <i>Petromyzon</i> . 4. <b>Pisces</b> : Scales & Fins, Parental care in fishes, fish migration.
October 2023	<b>Nutrition</b> : Nutritional components; Carbohydrates, fats, lipids, Vitamins and Minerals.
November 2023	Types of nutrition & feeding, Digestion of dietary constituents, viz. lipids, proteins, carbohydrates & nucleic acids; symbiotic digestion. Absorption of nutrients & assimilation; control of enzyme secretion



Government PG College, Ambala Cantt.

Subject: Zoology Name of Teacher : Dr. Tarsem Kumar

Lesson Plan Session 2023-24 Class: B.Sc. 5<sup>th</sup> sem.

Month	Details
August 2023	1. Basic concepts of ecology: Definition, significance. Concepts of habitat and ecological niche. 2. Factors affecting environment: Abiotic factors (light-intensity, quality and duration), temperature, humidity, topography; edaphic factors; Biotic factors.
September 2023	3. Introduction to major ecosystem of the world. 4. Ecosystem: Concept, components, properties and functions; Ecological energetics and energy flow-food chain, food web, trophic structure; ecological pyramids concept of productivity.
October 2023	5. Biogeochemical cycles: Concept, reservoir pool, gaseous cycles and sedimentary cycles. Class Test .Developmental Biology
November 2023	Concept of biodiversity and conservation of natural resources. 8. Migration in fishes and birds

