**GOVT. P.G. COLLEGE FOR WOMEN, SECTOR-14, PANCHKULA**

**LESSON-PLAN (Session 2020-21) ODD SEMESTER**

**Name of Professor**: TARA JAYANT

**Designation:** ASSOCIATE PROFESSOR

**Subject/ Paper:** ZOOLOGY (PAPER I & II)

**Class:** B.Sc. MEDICAL 3rd SEMESTER

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| **S. No.** | **Month** | **Topics to be covered** | **Remarks if any** |
| **1.** | **August**  **2020** | Introduction, Classification, structure, function and general properties of proteins, carbohydrates and lipids.  Nomenclature, classification and mechanisms of enzyme action.  Transport through bio membranes, buffers.  QUERIES & CLASS TEST OF TOPICS COVERED WILL BE TAKEN |  |
| **2.** | **September 2020** | Nutrition : types of nutrition, feeding, digestion of lipids, proteins, carbohydrates and nucleic acids, symbiotic digestion. Absorption of nutrients and assimilation, control of enzyme action.  Muscles: types, ultrastructure of skeletal muscle. Biochemical and physical events during muscle contration, single muscle twitch, tetanus, muscle fatigue, muscle tone, oxygen debt, Cori,s cycle, single unit smooth muscle, their physical and functional properties.  QUERIES & CLASS TEST OF TOPICS COVERED WILL BE TAKEN |  |
| **3.** | **October**  **2020** | Bones : structure and types, classification, bone growth and resorption, effect of ageing on skeletal system and bone disorders.  CHORDATES: Origin and Evolutionary tree.  PROTOCHORDATES: Systematic position, distribution, ecology, morphology and affinities:  Urochordata : *Herdmania-* type study  Cephalochordata: *Amphioxus-* type study  QUERIES, PRACTICE OF DIAGRAMS & THEIR CLASS TEST  ASSIGNMENT I WILL BE GIVEN |  |
| **4.** | **November 2020** | CYCLOSTOMES : Type study of  *Petromyzon*  PISCES : Scales & fins, Parental care in fishes, fish migration.  Type study of *Labeo*    QUERIES, PRACTICE OF DIAGRAMS & THEIR CLASS TEST  ASSIGNMENT II WILL BE GIVEN | **Unit- Test** |

* **Two assignments and one unit test will be taken as per schedule.**

**Signature of A/Prof. Principal**