Odd Semester Lesson Plan

Teacher name: DR.SHIKHA JAGGI

**Paper-II : Mammalian Physiology-I**

October 2020

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| *.* Introduction, Classification, Structure, function and general properties of proteins,  carbohydrates and lipids.  2. Nomenclature, Classification and mechanisms of enzyme action.  ; symbiotic digestion  events during muscle contraction; single muscle twitch, tetanus, muscle fatigue muscle, tone,  , |

November 2020

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| 3. Transport through biomembranes (Active and Passive), buffers  4. **Nutrition**: Nutritional components; Carbohydrates, fats, lipids, Vitamins and Minerals.  Types of nutrition & feeding, Digestion of dietary constituents, viz. lipids, proteins,  carbohydrates & nucleic acids |

December 2020

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| . Absorption of nutrients & assimilation;  control of enzyme secretion.  5. **Muscles:** Types of muscles, ultra-structure of skeletal muscle. Bio-chemical and physical |

January2021

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| oxygen debt., Cori’s cycle, single unit smooth muscles, their physical and functional  properties.  6 **Bones:** Structure and types |

February 2021

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| classification, bone growth and resorption, effect of ageing  on Skeletal system and bone disorders. |