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 digestionevents during muscle contraction; single muscle twitch, tetanus, muscle fatigue muscle, tone,,  |

November 2020

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| 3. Transport through biomembranes (Active and Passive), buffers4. **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 functionalproperties.6 **Bones:** Structure and types |

February 2021

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