Odd Semester Lesson Plan

Teacher name: DR.SHIKHA JAGGI

**Life and Diversity from Coelentrata to Helminths & Cell Biology – II**

October 2020

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| **Phylum – Coelentrata :**  i) General characters and classification up to order level  ii) Biodiversity, economic importance  iii) Type Study - *Obelia*  iv) Corals and coral reefs  v) Polymorphism in Siphonophores  iv) Helminths parasites : Brief account of life history, |

November 2020

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| 2. **Phylum – Helminths :**  i) General characters and classification up to order level  ii) Biodiversity, economic importance  iii) Type study – *Fasciola hepatica;* |

December 2020

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| mode of infection and pathogenesity  of *Schistosoma, Ancylostoma, Trichinella, Wuchereria* and *Oxyuris.*  1. Ultrastructure and functions of Nucleus : Nuclear membrane, nuclear lamina, nucleolus, fine |

January2021

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| structure of chromosomes, nucleosome concept and role of histones, euchromatin and  heterochromatin, lampbrush chromosomes and polytene chromosomes.  2. Mitosis and Meiosis (Cell reproduction) |

February 2021

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| 3. Brief account of causes of cancer.  4. An elementary idea of cellular basis of Immunity. |