Lesson Plan

Teacher name: Dr. shikha jaggi

Subject; zoology

Class bsc1 paper 2

April 2021

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| Phylum - Mollusca: i) General characters and classification up to order level ii) Biodiversity and economic importance iii) Type study of - Pila iv) Torsion and detorsion in gastropoda |

May 2021

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| Phylum – Enchinodermata : i) General characters and classification up to order level ii) Biodiversity and economic importance vii) Type study – Asteries (Sea Star) viii) Echinoderm larvae ix) Aristotle’s Lantern |

June 2021

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| , Phylum Hemichordate : General Character; Type Study of Ballanglosus 3. Multiple alleslism : Eye colour in Drosophila; A, B, O blood group in man. 4. Human genetics : Human karyotype, Chromosomal abnormalities involving autosomes and sex chromosomes, monozygotic and dizygotic twins. 5. Inborn errors of metabolism (Alcaptonuria, Phenylketonuria, Albinism, sickle-cell anaemia). 6. Nature and function of genetic material : Structure and type of nucleic acids; Protein syenthesis |

July 2021

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| Eugenics, euthenics and euphenics; spontaneous and induced (chemical and radiations) mutations; gene mutations; chemical basis of mutations; transition, transversion, structural chromosomal aberrations (deletion, duplication, inversion and translocation); Numerical aberrations (autoploidy, euploidy and polyploidy in animals) 8. Applied genetics : genetic counseling, pre-natal diagnostics, DNA-finger printing, transgenic animals. |