Even Semester Lesson Plan

Teacher name: Dr. Kuldeep yadav

Class- B.SC 1 year paper 2 (genetics)

April 2021

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| Genetic Material: DNA the genetic material, DNA structure and replication, DNA-Protein interaction, the Nucleosome Model, Genetic Code, Satellite and Repetitive DNA |

May 2021

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| Genetic Inheritance: Mendelism: Laws of segregation and Independent Assortment; Linkage Analysis; Allelic and non-allelic interactions. |

June 2021

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| Genetic Variations: Mutations- spontaneous and induced; transposable genetic elements; DNA damage and repair. Gene Expression: Modern concept of gene; RNA; Ribosomes; transfer of genetic informationtranscription and translation (Protein Synthesis); |

July 2021

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| ; regulation of gene expression in prokaryotes and eukaryotes; 1-D, 2-D and 3-D structure of Proteins. Extra Nuclear Inheritance: Presence and function of Mitochondrial and Plastid DNA; Plasmid |