NEP- Gene Organization, Replication and Repair

Sem IV

2023-24 Even Semester

April 30, 2024	
Date of submission:	M

May 02, 2024

Maximum marks: 16

Attempt all the questions:

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1.	Explain the process of Homologous recombination with diagram.	(3)
2.	Define the following:	(1)
	a. Chiasma	
	b. Holliday junction	
3.	Discuss the role of enzymes involved in Homologous recombination.	(2)
4.	Differentiate between Serine and Tyrosine recombinases.	(3)
5.	Discuss different classes of transposable elements.	(3)
6.	Explain with diagram: DNA transposition by cut and paste and	replicative
	mechanism.	(4)