

- b. What is Competence?
- c. What is Intragenic Mutation?
- d. Define zygotene stage.
- e. In which stage crossing over happens in a meiosis?
- f. Define Linkage.
- g. What is Spontaneous mutation?

Q-5	Attempt all questions	(14)
A	Write note on Mapping bacterial gene by specialized transduction.	07
B	Explain: Meiosis.	07
OR		
Q-5		
A	Explain: Gal Operon.	07
B	Give details on Recombination and Recombination Frequency.	07
Q-6	Attempt all questions	(14)
A	Write note on Ti Plasmid and its applications.	07
B	Explain: Trp Operon.	07
OR		
Q-6	Attempt all Questions	
A	Give details on Phage variation system in <i>Salmonella</i> .	07
B	Write on Molecular mechanism of gene transfer by conjugation.	07

