



**SECTION -C (30 Marks)**

Answer **ALL** questions  
**ALL** questions carry **EQUAL** Marks

(5 x 6 = 30)

11. a. Describe the types and functions of transposons.  
OR  
b. Elucidate site directed mutagenesis.
12. a. Interpret homologous recombination.  
OR  
b. Explain cytoplasmic inheritance.
13. a. Illustrate protein motif binding in DNA with its specificity  
OR  
b. Demonstrate the molecular aspects of binding techniques.
14. a. Evaluate the structure and functions of steroid and nuclear receptors.  
OR  
b. Illustrate serum response factors in brain development and functions.
15. a. Formulate Baltimore classification of replication strategy.  
OR  
b. Discuss molecular biology of HIV/AIDS.

Z-Z-Z

END