

*(Turn Over)*

( 2 )

4. Write short notes on any **two** of the following :
  - (a) Introns and their significance
  - (b) Recombination in phase
  - (c) RNA splicing
5. What is Recombination ? Explain different methods and significances of recombination.
6. What is Linkage ? Explain linkage group with suitable examples.
7. Write an essay on cot curve and its significance.
8. Write short notes on any **two** of the following :
  - (a) C-value paradox
  - (b) Nuclear DNA contents
  - (c) Oncogenes

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