

2014
(December)

Time : 2 hours

Full Marks : 40

The questions are of equal value.

*Answer any **four** questions.*

(GENETIC ENGINEERING AND RDT)

1. Explain tools and techniques in recombinant DNA technology.
2. Write short notes on the following :
 - (a) Expression vector
 - (b) C-DNA library
3. Describe Southern and Northern Hybridization.
4. Write short notes on the following :
 - (a) RFLP
 - (b) RAPD

5. Patents, Copyrights, Trade Marks, Trade Secrets are types of IPR, Explain all of these in brief.
6. Write short notes on the following :
 - (a) Chromosome Walking
 - (b) DNA Microarrays
7. Write short notes on the following :
 - (a) Gene therapy
 - (b) Use of nucleic acid probes
8. Write short notes on the following :
 - (a) S1 Mapping
 - (b) Restriction Enzymes

