2015 (December)

Time: 2 hours

Full Marks: 40

The questions are of equal value.

Answer any four questions.

(GENETIC ENGINEERING AND RDT)

- Describe the basic principles of nucleic acid isolation and purification.
- Write short notes on the following :
 - (a) Gene cloning
 - (b) DNA microarrays
- Describe the principles and techniques involved in in situ hybridization.

VT – 6/1 (Turn over)

- 4. Write short notes on the following:
 - (a) Chromosome walking
 - (b) Germplasm maintenance
- Describe the role of molecular markers in genome analysis.
- Write short notes on the following :
 - (a) Biosafety and bioethics
 - (b) Trade marks
- Write a detailed essay on the Intellectual Property Rights.
- Write short notes on the following :
 - (a) Western Hybridization
 - (b) Bio-plastic

