

2316

3
50

Class – B.Sc. (BT) Sem. VI

Subject – r-DNA-B

Time Allowed : 3 Hours

Maximum Marks : 40

SECTION-A

Attempt all Questions.

1. Explain
 - (a) TAC
 - (b) YAC
 - (c) Linker
 - (d) Adaptor
 - (e) Role of Promoter
 - (f) gene fusion
 - (g) RT-PCR

SECTION-B

Attempt any five.

1. Explain BAC Vector.
2. Explain PET-28 Vector.
3. Give the role of Promoter, cassettes to increase product Yield in r-DNA.
4. Define
 - (a) Gene fusion
 - (b) Shuttle Vectors
5. What are micro arrays?
6. Explain Genomic cloning.
7. What is the use of adaptors and linkers in cloning.

SECTION-C

Attempt any two.

1. Explain the principles & applications of PCR.
2. Explain the following :
 - (i) TAC
 - (ii) Ti & Ri Plasmid
3. Give an overview of cloning, genomic cloning in Vectors
