

TDC Even Semester Exam., 2019

## BIOTECHNOLOGY

( Honours )

( 6th Semester )

Course No. : BTCH-601

( Recombinant DNA Technology—II )

*Full Marks : 35**Pass Marks : 12**Time : 2 hours**The figures in the margin indicate full marks  
for the questions*

1. What is genome? Write a note on genetic and physical maps. 2+5=7

**OR**

2. What is RAPD? Describe briefly steps involved in RAPD analysis. 2+5=7

3. Write short notes on *any two* of the following : 3½×2=7

(a) RFLP

(b) BAC library

(c) YAC library

(d) AFLP

4. Write a note on molecular markers. 7

**OR**

5. (a) What is genetic counselling? What are the objectives of genetic counselling? 1+2=3

- (b) Describe briefly the application of RFLP in biodiversity research. 4

6. Describe briefly ethical and moral issues involved with human genome project. Write about findings of HGP. 4+3=7

**OR**

7. State two objectives of human genome project. Describe the current status of human genome project. 2+5=7

8. Write a note on preparation of genomic libraries. 7

**OR**

9. Describe briefly any two strategies for sequencing genome. 3½×2=7

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