



ADITYA DEGREE COLLEGES

ANDHRA PRADESH

IV SEMESTER - MID -1 EXAMINATIONS

II – B.Sc MB MAJOR- Paper III

Max. Marks : 60

Time :2 Hr

Date:

r-DNA TECHNOLOGY BIOINFORMATICS AND BIOSTATISTICS

SECTION – A

I. Answer any FIVE of the following:

5 x 4 = 20 M

1. RFLP.
2. DNA polymerase.
3. Ligases.
4. C-DNA library
5. YAC.
6. RAPD.
7. Linkers and adaptors.
8. Bacteriophages.

SECTION – B

II. Answer all the following questions:

4 x 10 = 40 M

9. a) Basic principles of genetic engineering.
(or)
b) Describe about gene cloning.
10. a) Applications of restriction enzymes in genetic engineering.
(or)
b) Transformation of DNA by chemical method, electroporation.
11. a) Describe about genomic DNA libraries.
(or)
b) Write in detail about PCR.
12. a) Applications of genetic engineering in industry and agriculture.
(or)
b) Describe about genetic engineering applications in medicine, hybridoma technology.

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