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Total Number of Pages : 1

AR-18

M.Sc

M.Sc 3rd SEMESTER REGULAR EXAMINATIONS, NOV/DEC 2019-20

BIO TECHNOLOGY

Subject code: III.1

Subject: GENETIC ENGINEERING & r-DNA TECHNOLOGY

Time: 2 Hours

Max Marks: 40

Answer any FOUR questions:

[10 x 4 = 40]

- 1 Describe briefly about different enzymes used in genetic engineering.
- 2 What are DNA polymerases? Elaborate the role of DNA polymerase in r-DNA Technology
- 3 Describe Cosmids as vectors.
- 4 Explain yeast two- hybrid system.
- 5 Explain the methods used for isolation and purification of RNA.
- 6 Describe genomic library and their function.
- 7 What is gene silencing? Describe si RNA and mi RNA gene silencing techniques.
- 8 Explain about the types and applications of molecular markers.

'End of Paper'