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Total No. of Questions: 8]

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Roll No.

MPY-102

M.Pharmacy I Semester

Examination, November 2018

Biotechnology and Bioinformatics

Time: Three Hours

Maximum Marks: 70

Note: i) Attempt any five questions.

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ii) All questions carry equal marks.

- Describe the structure, function and replication of RNA.
- 2. Write a note on recombinant DNA technology.
- Describe the potential target disease for gene therapy and gene transfer methods. Add a note on pharmaceutical production and regulation of gene therapy.
- 4.. Write a note on monoclonal antibodies.
- 5. Write a note on cell signalling and cell cycle.
- 6. Describe the molecular biology of cancer.

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7. Discuss the molecular, structural and chemical biology in pharmaceutical research.

Write short notes on (any two):

- Genetic and physical mapping
- Sampling and sampling plan
- Vaccines

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