



RAN - 2103001106020001

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M.Sc. Int. Biotechnology (Sem. VI) Examination April - 2023

BT: 17 Pharmaceutical Biotechnology

Time: 2 Hours]

[Total Marks: 50

સૂચના : / Instructions

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નીચે દર્શાવેલ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી.
Fill up strictly the details of signs on your answer book

Name of the Examination:

M.Sc. Int. Biotechnology (Sem. VI)

Name of the Subject :

BT: 17 Pharmaceutical Biotechnology

Subject Code No.: **2103001106020001**

Seat No.:

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Student's Signature

- (2) Figures to the right indicate full marks.
(3) Draw neat and labelled diagrams wherever necessary.

Q-1. Attempt the following questions in short (Any Four): [08]

- 1) What is the LD50
- 2) Make a distinction between chemical-based and biotech-based products.
- 3) Explain "Generic Biopharmaceuticals".
- 4) Define: Ribozyme and their role in Antisense technology.
- 5) Role of RNAi Therapeutics

Q-2. Attempt Any Two: [14]

- 1) Describe the more reputable of two biopharmaceutical businesses.
- 2) The development Journey of the pharmaceutical sector.
- 3) Explain: Hormonal and Enzymatic therapy.

Q-3. Explain in detail Any Two: [14]

- 1) What factors affects the drug delivery system? Explain any one drug delivery system.
- 2) Explain the importance of immunogenic and toxicological report in drug assessment.
- 3) What is clinical pharmacology? Explain in detail.

Q-4. Attempt Any Two of the following: [14]

- 1) Explain the role and procedure under EMEA and PAB
 - 2) State the RA department's review procedure.
 - 3) Write a note on Investigational new drug application
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