

2103001106020001
EXAMINATION FEBRUARY-MARCH 2024
BACHELOR OF SCIENCE (SIXTH SEMESTER)
PHARMACEUTICAL BIOTECHNOLOGY LEVEL 2

[Time: As Per Schedule]

[Max. Marks:50]

Instructions:

1. Fill up strictly the following details on your answer book

- a. Name of the Examination : **BACHELOR OF SCIENCE (SIXTH SEMESTER)**
 - b. Name of the Subject : **PHARMACEUTICAL BIOTECHNOLOGY LEVEL 2**
 - c. Subject Code No : **2103001106020001**
2. Sketch neat and labelled diagram wherever necessary.
 3. Figures to the right indicate full marks of the question.
 4. All questions are compulsory.

Seat No:

--	--	--	--	--	--

Student's Signature

Q.1 Attempt the following questions:

08

- A. Mention any two semisynthetic antibiotics.
- B. State the function of digitalis.
- C. Which problems are associated with oral route drug delivery?
- D. Define: TDD.
- E. Mention any two responsibilities of FDA.

Q.2 Attempt Any Two:

14

- A. Write a note on landmark discovery related to red dye prontosil rubrum.
- B. Describe key discoveries which leads to development of pharmaceutical industries.
- C. Explain any two new routes for drug delivery.

Q.3 Explain in detail Any Two:

14

- A. How biodegradable polymers helps in drug delivery? Explain any one example.
- B. Justify: Many enzymes have therapeutic effect.
- C. Write a detail note on candidate drugs.

Q.4 Attempt Any Two of the following:

14

- A. Explain trends in drug discovery.
- B. Explain IND application process in detail.
- C. Justify: Regulatory affair department play an important role in approval of pharmaceutical products.
