

[Total No. of Questions - 7]  
(2063)

[Total No. of Printed Pages - 2]

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**B. Pharmacy 2nd Semester Examination**

**Pharmaceutical Biology-I**

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**Time : 3 Hours**

**Max. Marks : 90**

*The candidates shall limit their answers precisely within the answer-book (40 pages) issued to them and no supplementary/continuation sheet will be issued.*

**Note :** Question No. 1 is compulsory. Attempt any five questions from the rest. All questions carry equal marks.

1. Highlight the importance of the following:
  - a. Plasmodesmata
  - b. Plastids
  - c. Collenchyma
  - d. Chloroplast
  - e. Morphology of fruits **(3×5=15)**
2. Discuss the important economically important plants of the family:
  - i. Apocynaceae
  - ii. Leguminosae **(7½, 7½)**
3. Give the importance and methods of correct collection and storage of crude drugs. **(15)**

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4. How can you classify crude drugs. Give advantages and limitations of each method. (15)
5. Differentiate between the following:
  - i. Xylem and phloem
  - ii. Organized and unorganized drugs (7½, 7½)
6. Write a note on the diagnostic features of the following families with examples:
  - i. Cruciferae
  - ii. Umbelliferae (7½, 7½)
7. Discuss the medicinal importance of plants belonging to family Convolvonaceae and Papilionaceae with examples. (7½, 7½)