

Roll No. ....

Total Pages : 3

**325210**

**May 2026**

**B.Sc. (LIFE SCIENCES) II SEMESTER**

**Resource Utilization & Plant Diversity-II**

**(NBLs-201)**

Time : 3 Hours]

[Maximum Marks : 75

*Instructions :*

- 1. It is compulsory to answer all the questions (1.5 marks each) of Part-A in short.*
- 2. Answer any **four** questions from Part-B in detail.*
- 3. Different sub-parts of a question are to be attempted adjacent to each other.*

**PART-A**

- (a) What is binomial nomenclature? (1.5)

(b) What is numerical taxonomy? (1.5)

(c) List the types of classification. (1.5)

(d) What are Vavilovian centres of origin? (1.5)

(e) Name two oil-yielding plants. (1.5)

(f) What is a cash crop? (1.5)

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- (g) State the principle of priority. (1.5)
- (h) Write medicinal values of turmeric and black pepper. (1.5)
- (i) Define chemotaxonomy. (1.5)
- (j) Define ethnobotany. (1.5)

**PART-B**

- 2. (a) Discuss the importance of floras and herbaria in plant identification. (5)
- (b) Answer the following:
  - (i) Differentiate between artificial and natural classification.
  - (ii) Discuss the importance of floras and herbaria in plant identification. (5×2=10)
- 3. (a) Construct a comparative account of monocot and dicot families studied. (5)
- (b) Discuss the principles and rules of ICN in detail with examples. (10)
- 4. Compare and analyze the floral structures of Fabaceae and Solanaceae. (15)
- 5. (a) Discuss the economic importance of cereals and millets. (5)
- (b) Evaluate the taxonomic significance of floral characters in angiosperms. (10)

- 6. (a) Write a note on Orchidaceae with economic importance. (10)
- (b) Write short notes on medicinal plants: Rauwolfia and Digitalis. (5)
- 7. Evaluate the significance of ethnobotany in sustainable development. (15)