

**First Year B. Pharm (Ayurveda) Degree Supplementary Examinations**  
**March 2025**  
**Pharmaceutical Biology**

**Time: 3 Hours****Max Marks: 100**

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw diagrams wherever necessary*

**Essay****(2x10=20)**

1. Explain life cycle of trichomonas with the help of a neat labeled diagram
2. Mention the distinguishing characters of the following families and mention any two medicinal plants each belongs to these families
  - a) Solanaceae
  - b) Euphorbiaceae

**Short Notes****(10x5=50)**

3. Leech therapy in Ayurveda
4. Define seed and distinguish between endospermic & non - endospermic seed
5. Ectodermal outgrowth.
6. Bentham and hookers system of plant classification.
7. Excretory product
8. Liliaceae
9. Stomata
10. Different types of plant cell
11. Reproduction in sponge
12. Difference between simple and compound leaf

**Answer Briefly****(10x3=30)**

13. Rhizomes
14. Shankh
15. Name four mammals with medicinal importance
16. Functions of xylem and phloem.
17. Dorsi -ventral leaf
18. Glandular and non-glandular trichomes
19. Plant taxonomy
20. Civet cat
21. Bee dance.
22. Features of earth worm, coral and mollusca.