

SHRIMATHI DEVKUNVAR NANALAL BHATT VAISHNAV COLLEGE FOR WOMEN
(AUTONOMOUS)

(Affiliated to the University of Madras and Re-accredited with 'A+' Grade by NAAC)
Chromepet, Chennai — 600 044.

B.Sc. (PBPB) END SEMESTER EXAMINATIONS NOVEMBER - 2023

SEMESTER - V

20UPBCT5010 - Taxonomy of Angiosperms and Economic Botany

Total Duration : 2 Hrs 30 Mins.

Total Marks : 60

Section B

Answer any **SIX** questions ($6 \times 5 = 30$ Marks)

1. List the rules of Binomial Nomenclature.
2. Sketch and explain on inflorescence and its types.
3. How will you identify a species of Asclepiadaceae family?
4. Describe the cultivation of rice, highlighting the agroclimatic conditions required, soil types and nutritional requirements needed for good field.
5. Enumerate the stamen classification proposed by Carolus Linnaeus.
6. Outline the APG-III system of classification adding a note on merits and demerits.
7. Explain the economic importance of Euphorbiaceae family.
8. Outline the techniques used in extraction of rubber from *Hevea braziliensis*.

Section C

Answer any **THREE** questions ($3 \times 10 = 30$ Marks)

9. Describe the techniques used in preparation of herbarium.
10. Botanists prefer Bentham & Hooker system of classification to identify a plant. Justify the statement with a neat sketch.
11. Compare the family characters of Papilionaceae, Caesalpiniaceae and Mimosaceae.
12. Discuss the diagnostic features of the family Orchidaceae with neat sketches.
13. Explain the extraction methods of cotton and list its uses.
