

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. END SEMESTER EXAMINATION APRIL/NOV - 2021

SEMESTER - V

16UPBCT5A10 & UPB/CT/5A10 - Taxonomy of Angiosperms and Economic Botany

<b>Total Duration : 3 Hrs</b>	<b>Total Marks : 75</b>
MCQ : 30 Mins	MCQ : 15
Descriptive : 2 Hrs.30 Mins	Descriptive : 60

Section B

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

1. Briefly explain the term typification and its types.
2. List down important points one must remember while collecting plants for making a herbarium.
3. What is the type of inflorescence found in asteraceae? Draw labelled diagram and explain.
4. In taxonomy, what is the hierarchy of classification? Explain the chief categories that make up a system in scientific classification.
5. Explain the different types of fibres found in *Gossypium*, highlighting the extraction and use of cotton.
6. Summarize the economic importance leguminosae family.
7. Illustrate, giving an example, male and female flowers of cucurbitaceae family which you have studied.
8. Outline APG-III classification, highlighting its merits and demerits.

Section C

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

9. Describe the cultivation method and production of rice. Add a note on the climatic conditions favourable for cultivation of rice.
10. Explain the diagnostic features and economic importance of family amaranthaceae.
11. Compare and contrast the diagnostic features of asclepiadaceae with apocynaceae.
12. Discuss types of inflorescence seen in angiosperms with examples. Draw labelled diagrams to elucidate your answer.
13. What ways are the leaf types can be classified? Describe the leaf types found in angiosperms, with suitable diagrams.