Avinashilingam Institute for Home Science and Higher Education for Women
Deemed to be University Estd. u/s 3 of UGC Act 1956 Category 'A' by MHRD [now MoE]
Re-accredited with 'A++' Grade by NAAC CGPA 3.65/4, Category I by UGC
Coimbatore - 641 043, Tamil Nadu, India

Continuous Internal Assessment Test II- April 2025
SEMESTER – II

Class: I PG **Time: 2 hours**
Major: BOTANY **Max. Marks: 60**

23MBOC10-TAXONOMY OF ANGIOSPERMS AND ECONOMIC BOTANY

CO1 : Illustrate the different systems of classification and phylogenetic relationships within the plant kingdom
CO2 : Understand key methods and to handle, analyse the plant materials in the laboratory and field.
CO3 : Understand about different taxonomic characteristics of plant families, genera, and species
CO4 : Acquire a basic knowledge of taxonomic diversity of important families and useful plants
CO5 : Evaluate the medicinal and economic importance of plants in modern society

Part A **6 x 1 =6**
Choose the correct answer

1. Asteraceae is also known as CO3K1
(a) Sunflower family (b) Mint family (c) Pea family (d) Tridax family

2. The pollination mechanism in Asclepiadaceae involves _____ CO3K2
(a) Entomophily (b) Hydrophily (c) Anemophily (d) Cleistogamy

3. The type of inflorescence found in Amaranthaceae is CO4K1
(a) Raceme (b) Spike (c) Cyathium (d) Capitulum.

4. The fruit type of the Poaceae family is CO4K2
(a) Drupe (b) Achene (c) Caryopsis (d) Capsule

5. Which of the following plant families is more economically important than the others? CO5K2
(a) Poaceae (b) Amaranthaceae (c) Orchidaceae (d) Cyperaceae

6. Gymnema is commonly used for CO5K2
(a) Lowering blood sugar (b) Treating wounds (c) Enhancing memory (d) Producing timber

Part B
Answer the following **3 x 6 = 18**
Answer should not exceed 400 words or two pages

7. a	How does the floral structure of Bignoniaceae differ from Lamiaceae?	CO3K2
	(Or)	
7. b	List out any six economically Important plants from the family Asteraceae.	CO3K4
8. a	Write a brief note on cyathium inflorescence with examples.	CO4K3
	(Or)	
8. b	Distinguish monocotand dicot with examples	CO4K4
9. a	Name two beverage plants and their economic importance.	CO5K2
	(Or)	
9. b	Explain the medicinal properties of Gymnema	CO5K2

Part C
Answer the following **3×12=36**
Answer should not exceed 800 words or four pages

10.a.	Explain the Taxonomical characters of the Asclepidaceae family	CO3 K3
	(Or)	
10.b.	Compare and contrast the floral characters of Meliaceae and Sapindaceae.	CO3 K4
11.a.	Explain the floral structures of Amaryllidaceae and Commelinaceae.	CO4 K2
	(Or)	
11. b.	Explain the taxonomic characters and economic importance of Poaceae family	CO4 K3
12. a.	Discuss the economic importance of paddy, wheat, and sorghum.	CO5 K3
	(Or)	
12.b.	Analyse the significance of timber-yielding plants in construction and furniture making.	CO5 K4

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12 copies **Staff in-charge: Dr. R. Karthiyayini**