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 I – February 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. Die natürlichenpflanzenfamilien was written by CO1K1
(a) Decandolle (b)Bessey (c) Hutchinson (d) Linnaeus

2. In the Natural System of Classification the is Proposed by CO2K1
(a) Charles E. Bessey (b) Betham& Hooker (c) Engler and Prantl (d) Hutchinson

3. What is the main advantage of using taxonomic keys for plant identification? CO2K2
(a) They require molecular analysis.b) They allow for quick and systematic identification.
c) They are based on plant colors onlyd) They work only for flowering plants.

4. Which modern technique would be most useful in distinguishing two morphologically similar plant species? CO2K2
(a) Author citation(b) Molecular taxonomy(c) Effective publication(d) flora

5. The common name of the Rhamnaceae family is CO3K2
(a) Indian jujube(b)Buckthorn family©Milkweed family(d) both a and B

6. Which of the following plant families belongs to the Dicot group? CO3K1
(a) Poaceae(b) Magnoliaceae (c) Orchidaceae(d) Cyperaceae

Part B

Answer the following 3 x 6 = 18

Answer should not exceed 200 words or one page

7. a	Recall the objectives of plant taxonomy	CO1K1
	(Or)	
7. b	List out the merits of the Natural system of classification	CO1K2
8. a	Write the principles of ICBN	CO2K1
	(Or)	
8. b	Distinguish effective and valid publication in botanical nomenclature.	CO3K4
9. a	Describe the floral characteristics of Capparidaceae	CO3K2
	(Or)	
9. b	Write the economic importance ofCombretaceae family	CO3K4

Part C

Answer the following 3×12=36

Answer should not exceed 600 words or three pages

10.a.	Give brief notes on Artificial system of classification and its merit and demerit	CO1 K3
	(Or)	
10.b.	Compare the natural and phylogenetic system of classification	CO1 K4
11.a.	Explain the differenttypes of keys with examples.	CO3 K2
	(Or)	
11. b.	Assess the role of botanical gardens in plant taxonomy and conservation	CO3 K4
12. a.	List the economic importance of the Magnoliaceae and Rhamnaceae	CO3 K2
	(Or)	
12.b.	Distinguish the vegetative and floral characters of the Leguminosae subfamilies	CO3 K2

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