



Avinashilingam Institute for Home Science and Higher Education for Women
(Deemed to be University under Category 'A' by MHRD, Estd. u/s 3 of UGC Act 1956)
Re-accredited with 'A+' Grade by NAAC. Recognised by UGC Under Section 12B
Coimbatore - 641 043, Tamil Nadu, India

Master's Degree Examination – June / July 2021
II Semester

Class : I PG
Major : Botany

Time : 3 Hours
Max. Marks: 100

20MBOC09 Taxonomy of Angiosperms and Economic Botany

Part A
Choose the Correct Answer

10x1=10

1. The name of subfamily usually ends with
a. -ales b. -phyta c. -ceae d. -oideae CO2K2
2. The term taxonomy was coined by
a. De Candolle b. Theophrastus c. Pliny d. Linnaeus CO1K2
3. When two or more author publish a new species, their names are linked using a epithet?
a. In b. ex c. et d. emend CO2K2
4. Binomial with identical genus and species name is called
a. Homonym b. Basionym c. Tautonym d. Synonym CO2K1
5. The fruit type is *Magnolia* is
a. Pod b. follicetum c. berry d. drupe CO3K2
6. Bignoniaceae comes under the order
a. Oxalidales b. Leguminales c. Lamiales d. Inferales CO3K1
7. The Commelinaceae family is commonly known as
a. Spiderwart family b. aster family
c. lily family d. grass family CO4K1
8. *Aerva lanata* belongs to which family
a. Amaranthaceae b. Magnoliaceae
c. Rutaceae d. Euphorbiaceae CO5K1
9. Commercially used part of *Syzygium aromaticum* is
a. seed b. flower bud c. leaf d. bark CO5K1
10. Cotton fibres are separated by a process called
a. tanning b. solvent extraction
c. ginning d. spinning CO6K2

Part B
Answer the following
Answer should not exceed 400 words or two pages

5×6=30

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| 11.a. Outline the APG III classification. | CO1K1 |
| (or) | |
| 11.b. Discuss the merits and demerits of Engler & Prantl classification. | CO2K2 |
| 12.a. Describe about monograph. | CO2K2 |
| (or) | |
| 12.b. Recall the features of numerical taxonomy | CO2K1 |
| 13.a. List out the floral characters of Capparidaceae. | CO3K1 |
| (or) | |
| 13.b. Examine the characteristic features of Asteraceae. | CO3K4 |
| 14.a. Enumerate the economic importance of Musaceae. | CO4K3 |
| (or) | |
| 14.b. Analyse the inflorescence of gramineae. | CO4K3 |
| 15.a. List the economic importance of jute. | CO5K1 |
| (or) | |
| 15.b. Discuss the role of coconut in oil production. | CO6K4 |

Part C
Answer the following
Answer should not exceed 800 words or four pages

5×12=60

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| 16.a. Explain Bentham & Hooker classification with its merits and demerits. | CO2K5 |
| (or) | |
| 16.b. Explore the objective, basic components and goals of taxonomy. | CO1K3 |
| 17.a. Discuss the nomenclatural type and rules of priority. | CO3K3 |
| (or) | |
| 17.b. Explain the preparation of herbarium. | CO2K5 |
| 18.a. Describe the vegetative and floral characters of Asclepiadaceae. | CO3K3 |
| (or) | |
| 18.b. Compare the features of subfamilies of Leguminosae. | CO3K2 |
| 19.a. Bring the identification keys of Euphorbiaceae. | CO4K4 |
| (or) | |
| 19.b. Explain the key features and economic importance of cyperaceae | CO4K3 |
| 20.a. Derive the economic importance of pulses | CO5K3 |
| (or) | |
| 20.b. Summarize the importance of beverage plants | CO6K5 |
