

Second Professional B.S.M.S Degree Regular Examinations January 2025
Maruthuva Thavaraiyal (Medicinal Botany & Pharmacognosy)
(2021 Scheme)

Time: 3 hrs

Max. Marks: 100

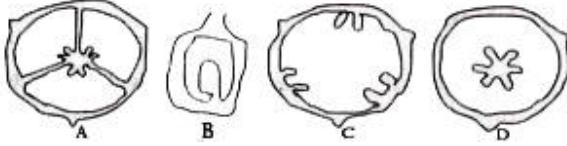
- Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space
- Answer all parts of a single question together • Leave sufficient space between answers
- Draw table/diagrams/flow charts wherever necessary

1. **Multiple Choice Questions**

(20x1=20)

The Answers to MCQ questions (Q.No.i to Q.No.xx) shall be written continuously on the first two writing sheets (ie Page No. 3 & 4) only

- The word Ethnobotany was first coined by

a) W. Harshberger	b) Richard Evans schultes
c) Dr. S .K. Jain	d) Theophrastus
- In the diagram of types of placentation given below A, B, C and D respectively represent
 
- a) Basal, axile, parietal and free-central
 b) Free-central, parietal, basal and axile
 c) Axile, basal, parietal and free-central
 d) Parietal, axile, free-central and basal
- Presence of androphore and gynophore is a common Characters in the family

a) Annonaceae	b) caesalpiniaceae	c) Capparidaceae	d) Mimosaceae
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- Which type of root existing in Terminalia arjuna

a) Buttress root	b) Epiphytic root	c) Climbing root	d) Stilt root
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- Obligately placed superior ovary is the characteristic of

a) Fabaceae	b) Brassicaceae	c) Solanaceae	d) Compositae
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- Compositae is characterized by which of the following inflorescences

a) Hypanthodium	b) Capitulum	c) Iodicule	d) Perianth
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- Stems having bicollateral vascular bundles & flowers with Syngenesious anthers are found in

a) Solanaceae	b) Asclepiadaceae	c) Cucurbitaceae	d) Asteraceae
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- Allium cepa belongs to the family

a) Solanaceae	b) Liliaceae	c) Cruciferae	d) Compositae
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- What is the function of pith in the dicot stem

a) Mechanical support	b) transport of organic compounds
c) Storage food reserves	d) Gas exchange
- The root apical meristem is located

a) In the endodermis	b) At the tip of the root
c) In the Cortex	d) In the Pericycle
- Plants grow in saline water is

a) Lithophytes	b) Halophytes	c) Mesophytes	d) Xerophytes
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(PTO)

xii. IUCN Means.....

- International union for nature
- International code for botanical nomenclature
- International Union for Concervation of Nature
- International Union for Conservation

xiii. Which of the following plant has berberine alkaloid

a) Butea monosperma	b) Caesalpinia bonduc
c) Coscinium fenestratum	d) Cocculus hirsutus

xiv. Which plant contains Wiry rizhomes

a) Piper longum	b) Cyperus rotundus
c) Aconitum ferox	d) Asparagus racimosus

xv. Which of the drugs containing cardiac glycosides in

a) Ashoka bark	b) Oleander	c) Embelic	d) Arjuna bark
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xvi. The Galls are found on the trees of

a) Shorea Robusta	b) Terminalia Chebula	c) Vateria Indica	d) Acacia Senegal
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xvii. Resin are insoluble in

a) Volatile oil	b) Fixed Oil	c) Water	d) alcohol
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xviii. Agar – Agar is obtained from

a) Gigartina	b) Gelidium	c) Gracillaria	d) all the above
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xix. Expansion of ICBN

a) International union for nature
b) International code for botanical nomenclature
c) International Union for Concervation of Nature
d) International Union for Conservation

xx. The standard size of the herbarium sheet is:

a) 29x41.5cm	b) 15x30cm	c) 21x36cm	d) 25x38cm
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Short Answer Questions

(8x5=40)

- Write about the history and importance of Medicinal plants in siddha science
- Write about on APG system of classification
- Explain the salient features of Rubiaceae
- Draw the diagram of T.S. of Boerhavia diffusa stem
- Explain about the Xerophytic adaptations
- Medicinal uses of Wood
- Types of Tannin and usage
- Medicinal uses of Non- Flowering plants

Long Answers Questions

(4x10=40)

- Compare the families Fabaceae, Cesalpiniaceae. List out three Medicinal plants from each.
- Write the salient features of the family Apiaceae with suitable illustrations and add a note on medicinally useful plants of this family
- What is Root. Give ten examples of root uses as medicine and their action
- Explain the chromatographic techniques
