

Q.P. Code: 231005

Reg. No.....

**Second Professional B.S.M.S Degree Regular/Supplementary Examinations
December 2025**

Maruthuva Thavaraviyal (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 responses for 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

- Father of modern ethnobotany
 - W. Harshberger
 - Richard Evans schultes
 - Dr. S. K Jain
 - Theophrastus
- Modified stipules obtained from.....
 - Pisum sativum
 - Smilax china
 - Gloriosa superba
 - Cissus quadrangularis
- Hooded anthers are found in
 - Malvaceae
 - Annonaceae
 - Capparidaceae
 - Asteraceae
- The radiating bands obtained from
 - Convolvulaceae
 - Annonaceae
 - Capparidaceae
 - Asteraceae
- The inflorescence of ocimum
 - Verticillaster
 - Cyathium
 - Hypanthodium
 - Thyrus
- The androecium of Apocynaceae
 - Sagittate
 - Versatile
 - Basifixed
 - Dorsifixed
- Cypsela type of fruits are found in
 - Malvaceae
 - Annonaceae
 - Capparidaceae
 - Asteraceae
- Which plant has possess stilt root belongs to poaceae
 - Rice
 - Wheat
 - Sugar cane
 - Ragi
- Apical Meristem are.....
 - Primary Meristem
 - Secondary Meristem
 - Promeristem
 - None of these
- The xylem tissue in the dicot stem is responsible for
 - Photosynthesis
 - Providing
 - Transporting water and minerals from the roots to the leaves
 - Transporting sugars from the leaves to the roots
- Cladode adaptation found in which Xerophytic species
 - Opuntia
 - Asparagus
 - Acacia
 - Aloe
- Find the Rare endangered and threatened plant.....
 - Santalaum album
 - Boerhavia Diffusia
 - Asparagus racimous
 - Nerium Oleander

(PTO)

- xiii. The alkaloid of vasicine found in.....
 a) Acalypha indica b) Cassia alata c) Justicia adhatoda d) Piper betle
- xiv. Botanical name of bitter apple.....
 a) Citrullus colocynthis b) Anethum graveolens
 c) Aegle marmelos d) Eleteria cardamomum
- xv. The example of Reserpine alkaloids
 a) Indole alkaloids b) Tropane alkaloids
 c) Quinoline alkaloids d) Pseudo alkaloids
- xvi. The active phyto constituents of Black Catechu
 a) Ketosterol b) Tannic Acid c) Quercetin d) Kino tannic
- xvii. The Mosquito repellent of
 a) Thymus Vulgaris b) Carum carri
 c) Azadirachta indica d) Cymbopogon nardus
- xviii. The Marsilea minuta isolated from
 a) Marsiline b) Gelidium c) Sargassum d) Macrocystis
- xix. Carrageenan is extracted from
 a) Chondrus crispus b) Gelidium c) Sargassum d) Macrocystis
- xx. An anthocarp fruit is
 a) Aristolochiaceae b) Solanaceae
 c) Nyctaginaceae d) Zygophyllaceae

Short Answer Questions

(8x5=40)

2. Explain about the traditional systems of medicine
3. Write about Natural system of classification
4. Diagnostic characters of Combrataceae
5. T.S. of Dicot – Justicia adhatoda leaf
6. Explain about In-Situ Conservation
7. Define, Pharmacological actions of fruit
8. Explain about Gums and its uses
9. Explain about adulteration of raw drugs

Long Answers Questions

(4x10=40)

10. Describe the family Menispermaceae and give list of any five medicinal plants with medicinal uses and their pharmacological action
11. Describe the diagnostic characters of the family Asclepiadaceae and its Medicinally useful plants
12. How bark is formed explain barks of medicinal importance, the chemical constituents and its uses
13. How do plant galls form. Write an essay on plant galls and its Medicinally properties
