

**Second Professional B.S.M.S Degree Regular Examinations January 2025**  
**Gunapadam – Marunthakaviyal (Materia Medica – Pharmaceuticals) Paper I**  
**(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

- i. In which direction should the Marunthu Baaga Salai (medicinal preparation unit) be established within the pharmacy  
 a) North                      b) South                      c) North East                      d) South East
- ii. In the labelling of medicines, which colour should be used to highlight external use medicines  
 a) Red                      b) Black                      c) Yellow                      d) Green
- iii. Which of the following is an example of Kudi Nei (an internal type of medicine)  
 a) Poora Ennai                      b) Both a & c                      c) Vellai Ennai                      d) Silai Ennai
- iv. Which of the following is an example of Urrukku Nei  
 a) Santhana Thylam                      b) Aamanakku Nei  
 c) Mezhugu Thylam                      d) Anda Thylam
- v. Which of the following is classified as Pakkuva Marunthu  
 a) Bhavana Kadukkai                      b) Asai Chooranam  
 c) Seeragaathi Chooranam                      d) All the above
- vi. Which traditional method was used for Ennal Alavai (quantification measurement) in Siddha medicine  
 a) Both Limbs                      b) Upper Limb                      c) Fingers                      d) Lower Limb
- vii. 4.2 gram is equivalent to \_\_\_\_\_  
 a) 1 Kalanju                      b) 1 Panaivedai                      c) 1 Varaagan                      d) 1 Palam
- viii. Which of the following is considered a Maarana Sarakku (antagonist) for gold metal  
 a) Nimilai                      b) Sembu                      c) Ayam                      d) Karuvangam
- ix. The Irattai Thuruthi (blower) is traditionally made from which type of leather  
 a) Sheep                      b) Cow                      c) Goat                      d) Calf
- x. Which type of stone mortar is considered as Nannikal Kalvam  
 a) Black                      b) Yellow                      c) Green                      d) Not in the above options
- xi. What is the role of a Ball Mill in Siddha medicine preparation  
 a) To mix powders                      b) To coat tablets  
 c) To grind materials into fine powder                      d) To extract plant compounds
- xii. Which of the following is **NOT** a constituent of Pancha Moolam  
 a) Kodiveli Root                      b) Modi Root                      c) Kandankathiri Root                      d) Milagu Root
- xiii. Which Pancha Bootha elements are found in Muppu  
 a) Vin+Vali+Thee                      b) Vali+Thee+Neer  
 c) Vin+Vali+Neer                      d) Vali+Thee+Maan
- xiv. Which of the following thylam is used for nasal drops  
 a) Arukeerai Thylam                      b) Kodiveli Ennai                      c) Keezhanelli Thylam                      d) Aruvatha Thylam
- xv. Maximum Dosage for Kadukkai Chathu is \_\_\_\_\_  
 a) 2.5 Varaagan                      b) 2.5 Tholaa                      c) 2.5 Kazanju                      d) 2.5 Kundri

**(PTO)**

xvi. Match the following medicines with their respective indications:

- |                            |   |                        |
|----------------------------|---|------------------------|
| A) Nandukkal Parpam        | – | 1) Sirupeelai Kudineer |
| B) Aavaarai Kudineer       | – | 2) Azhal Vali Suram    |
| C) Adhimadhura Chooranam   | – | 3) Thalai Vali         |
| D) Korai Kizhangu Kudineer | – | 4) Neerizhivu          |

Choose the appropriate matched options from the above.

Options:

- |   |   |
|---|---|
| a) A with 1, B with 2, C with 3, D with 4 | b) A with 1, B with 2, C with 4, D with 3 |
| c) A with 1, B with 4, C with 3, D with 2 | d) A with 1, B with 3, C with 2, D with 4 |

xvii. Which of the following medicine is used to treat Moola Kanangal (Rectal Problems) in Paediatrics

- |                         |                   |
|-------------------------|-------------------|
| a) Thaneer Vittaani Nei | b) Venpoosani Nei |
| c) Vallarai Nei         | d) Brahmi nei     |

xviii. Which of the following Vennai is used for topical application in eye diseases

- |                     |                                 |
|---------------------|---------------------------------|
| a) Kungiliya Vennai | b) Amirtha Vennai               |
| c) Vanga Vennai     | d) Not mentioned in the options |

xix. Which of the following suitable vehicle should be prescribed with Sundaivatral Chooranam

- |               |                 |                   |                      |
|---------------|-----------------|-------------------|----------------------|
| a) Cow's Curd | b) Camel's Curd | c) Buffalo's Curd | d) None of the above |
|---------------|-----------------|-------------------|----------------------|

xx. Amukkura Chooranam is indicated for \_\_\_\_\_

- |           |               |              |          |
|-----------|---------------|--------------|----------|
| a) Gunmam | b) Perumbaadu | c) Azhal Noi | d) Ooral |
|-----------|---------------|--------------|----------|

### Short Answer Questions

(8x5=40)

- Write briefly about traditional set up of Pharmacy (Marunthu Sei Nilayam).
- Write the verses from classical Siddha texts regarding the shelf life of the 32 types of internal medicines, and discuss the factors that affect the shelf life of these medicines.
- Explain the concept of Maarana Prayogam, including its purpose, preparation methods, and therapeutic applications.
- Explain and illustrate the use of Vaaluga Iyanthitram and provide a detailed example of a medicine preparation procedure utilizing this instrument.
- Write the principle, instrumentation and techniques, advantages and limitations, measurement level of AAS and its application in Siddha Medicine.
- Explain the preparation of Aavirai Kudineer with reference to classical verses, and discuss its therapeutic significance.
- List the ingredients and therapeutic indications of Sithiramoola Kuligai and Sivanaar Vembu Kuzhi Thylam.
- Nerunjil Kudineer

### Long Answers Questions

(4x10=40)

- a) Develop a model for Batch Manufacturing Records in accordance with Good Manufacturing Practices (GMP) and outline the labelling requirements for finished medicines intended for sale and distribution as per the 1945 Drugs and Cosmetics Rules.  
b) Brief on the guidelines for conducting stability studies of Siddha medicines as per the 1945 Drugs and Cosmetics Rules.
- Write a detailed account of the following topics:  
a) Sirupancha Moolam b) Dhasa Moolam c) Vaithiya Muppu d) Guru Marunthu
- Provide a comprehensive explanation of the following Siddha extracts (Chatthu) and formulations:  
a) Karungaali Chatthu b) Kadukkai Chatthu c) Ettikottai Chatthu d) Adhimadhura Paal  
Include details about their preparation methods, therapeutic properties, and applications.
- a) Provide a detailed account of two Legiyam formulations used in the management of Moolam (anorectal disorders), including their preparation, key ingredients, and therapeutic benefits.  
b) Provide a detailed explanation of two Chooranam formulations used in the management of Malakattu (constipation), covering their preparation, composition, and medicinal applications.

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