

College Logo

University Logo

Name of the College.....

Name of University.....

**SIDDHA MARUTHUVA ARIGNAR
BACHELOR OF SIDDHA MEDICINE AND SURGERY
SECOND PROFESSIONAL B.S.M.S**

**MARUTHUVATHAVARAVIYAL
(MEDICINAL BOTANY AND PHARMACOGNOSY)**

SIDUG – MT

PRACTICAL RECORD BOOK

Name of the Student :

Institutional Roll No. :

Academic Year:

**DEPARTMENT OF GUNAPADAM- MARUNTHIYAL
(MATERIA MEDICA- PHARMACOLOGY)**

UNIVERSITY
LOGO

COLLEGE
LOGO

NCISM
LOGO

COLLEGE NAME.....

APPROVED BY

NATIONAL COMMISSION FOR INDIAN SYSTEM OF MEDICINE, NEW DELHI

AFFILIATED TO

UNIVERSITY NAME.....

SIDDHA MARUTHUVA ARIGNAR
BACHELOR OF SIDDHA MEDICINE AND SURGERY
SECOND PROFESSIONAL B.S.M.S

MARUTHUVATHAVARAVIYAL
(MEDICINAL BOTANY AND PHARMACOGNOSY)

SIDUG – MT

PRACTICAL RECORD BOOK

Name of the Student :

Unique AYUSH ID No :

University Register/ Enrollment No.:.....

Institutional Roll No. :

Academic Year:

DEPARTMENT OF GUNAPADAM- MARUNTHIYAL
(MATERIA MEDICA- PHARMACOLOGY)

UNIVERSITY
LOGO

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AFFILIATED TO
UNIVERSITY NAME.....

CERTIFICATE

*This is to certify that, Mr./Mrs./Miss..... (Name of student)
bearing Roll No..... and University Register/Enrollment
No..... has satisfactorily completed all the Practical of
MARUTHUVATHAVARAVIYAL- SIDUG – MT prescribed by the National Commission for
Indian System of Medicine as a part of Second Professional B.S.M.S Course.*

HEAD OF THE DEPARTMENT

*Submitted for the Practical Examination Conducted by
..... (University Name), held on
.....(date) at (College name).*

EXAMINERS

Date: -----

Internal: -----

Place: -----

External: -----

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Sr. No.	Date	Name of Practical	Term	Page No.	Signature of Faculty
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13.					
14.					
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19.					
20.					

INSTRUCTIONS & GUIDELINES

General

1. The common format for the practical prescribed by the NCISM is aiming to maintain uniformity among colleges/institutions across the country.

Instructions to Students

2. The student will prepare the practical record book, including the cover page, first inner page, certificate page, and index page as per the format prescribed by the NCISM here.
3. The student will record in the practical record book handwritten immediately after each practical and get the signature of the concerned teaching faculty.
4. The student will use the specific format/template for recording each practical in the practical record book.

Instructions to Teachers/HOD

5. It is the responsibility of the department to conduct practicals as per the list, schedule, method, etc., specified in the curriculum.
6. The teacher must instruct the student to record his/her work as per the specific format prescribed by the NCISM here. **(List of practical and format references are enclosed herewith)**
7. After each practical, the concerned teacher must verify the completion of the record work and put the signature in the index page.
8. The certificate page of the practical record will be certified and signed by the concerned head of the department.
9. Normal values or any other important information confined to the subject, if any, may be printed in the last pages.

List of Practical and Format Reference

S.no	Name of the practical	Format Reference
1	Parts of a Plant	I
2	Structure of Leaf	I
3	Types of Leaves	I
4	Phyllotaxy	I
5	Venation	I
6	Inflorescence – Raceme and Cyme	I
7	A Flower (L.S) and its Parts	I
8	Symmetry of Flowers	I
9	Insertion of Floral Parts	I
10	Aestivation of Calyx and Corolla	I
11	Androecium	I
12	Gynoecium	I
13	Family- Annonaceae	II
14	Family- Menispermaceae	II
15	Family- Capparidaceae	II
16	Family- Malvaceae	II
17	Family- Rutaceae	II
18	Family- Fabaceae	II
19	Family- Caesalpiniaceae	II
20	Family- Mimosaceae	II
21	Family- Combretaceae	II

22	Family- Myrtaceae	II
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24	Family- Apiaceae	II
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25	Family- Rubiaceae	II
26	Family- Asteraceae	II
27	Family- Apocynaceae	II
28	Family- Asclepiadaceae	II
29	Family- Convolvulaceae	II
30	Family- Solanaceae	II
31	Family- Acanthaceae	II
32	Family- Verbenaceae	II
33	Family- Lamiaceae	II
	Families of Monochlamydeae	
34	Family- Euphorbiaceae	II
	Monocotyledonae	
35	Family- Zingiberaceae	II
36	Family- Liliaceae	II
37	Family- Poaceae	II
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	Anatomy of Root Drugs	
38	1. Transverse Section of <i>Piper longum</i> root	III
39	2. Transverse Section of <i>Asparagus racemosus</i>	III

	root	
	Anatomy of Stem Drugs	III
40	1. Transverse Section of <i>Boerhavia diffusa</i> stem	III
41	2. Transverse Section of <i>Tinospora cordifolia</i> stem	III
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44	Histochemical Localisation in T.S of <i>Piper longum</i> root	IV
45	Histochemical localisation in T.S of <i>Tinospora cordifolia</i> stem	IV
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51	<i>Justicia adhatoda</i> leaf	V
52	<i>Cinnamomum verum</i> bark	V
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56	Stems and Woods	VII
57	Barks	VII
58	Leaves	VII
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	STUDY OF UNORGANISED RAW DRUGS	
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FORMAT – I

(For Practicals- 1-12)

MORPHOLOGY OF ANGIOSPERMS

(Left side Notes; Right side Diagram)

MORPHOLOGICAL DESCRIPTION OF THE PLANT PARTS:

FORMAT - II
(For Practicals 13 – 37)
ANGIOSPERM FAMILIES (25)

(Left side Notes; Right side Diagram)

FAMILY NAME:

BOTANICAL NAME:

TAMIL NAME:

SYSTEMATIC POSITION

BENTHAM AND HOOKER'S

APG IV

DESCRIPTION OF THE FAMILY CHARACTER

HABIT:

ROOT:

STEM:

LEAF:

INFLORESCENCE:

FLOWER:

CALYX:

COROLLA:

ANDROECIUM:

GYNOECIUM:

FLORAL FORMULA:

FORMAT - III
(For Practicals 38 -43)
ANATOMY OF RAW DRUGS
(Left side Notes; Right side Diagram)

(I) TRANSVERSE SECTION OF THE (Name of the plant, Root or Stem)

EPIDERMIS:

CORTEX:

ENDODERMIS:

STELE:

(II) TRANSVERSE SECTION OF THE (Name of the plant, Leaf)

UPPER EPIDERMIS:

LOWER EPIDERMIS:

LAMINA:

MIDRIB:

(For practicals 44 - 46)

(Left side Table; Right side Procedure)

[illegible]

FORMAT - V

(For practicals 47 - 52)

POWDER MICROSCOPY

(Left side Table; Right side Procedure)

Observation Table:

POWDER MICROSCOPY OF (Name of the plant and part)

S.NO	REAGENTS	OBSERVATION	HISTOLOGICAL STRUCTURES

FORMAT- VI
(For the practical 53)
THIN LAYER CHROMATOGRAPHY
(Left side Table; Right side Procedure)

Observation Table:

S. NO	Colour of the Spot	Rf Value	Pigment
1			
2			
3			
4			

FORMAT - VII

(For Practicals 54 – 65)

ORGANISED AND UNORGANISED RAW DRUGS

S.No	Tamil/Eng Name	Botanical Name/ Family	Organoleptic characters	Chemical Constituents	Action and Uses
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					