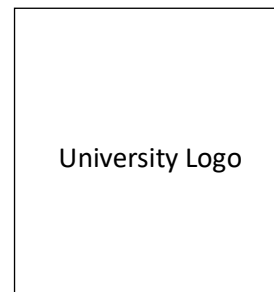


College Logo

Outer Cover Page



University Logo

Name of the College.....

Name of University.....

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

**UYIR VEDHIYIYAL
(BIO CHEMISTRY)**

SIDUG - UV

PRACTICAL RECORD BOOK

Name of the Student : -----

Institutional Roll No. : -----

Academic Year: -----

DEPARTMENT OF UDAL THATHUVAM (PHYSIOLOGY)

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
FIRST PROFESSIONAL B.S.M.S

UYIR VEDHIYIYAL
(BIO CHEMISTRY)
SIDUG - UV

PRACTICAL RECORD BOOK

Name of the Student : -----

Unique AYUSH ID No : -----

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

Institutional Roll No. : -----

Academic Year: -----

DEPARTMENT OF UDAL THATHUVAM(PHYSIOLOGY)

UNIVERSITY
LOGO

COLLEGE
LOGO

NCISM
LOGO

COLLEGE NAME.....

APPROVED BY
NATIONAL COMMISSION FOR INDIAN SYSTEM OF MEDICINE , NEW DELHI

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 AYURVEDHITHYAL(
BIOCHEMISTRY)-SIDUG – UV prescribed by the National Commission for Indian System of
Medicine as a part of First 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: -----

INDEX

Sr. No.	Date	Name of Practical	Term	Page No.	Signature of Faculty
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
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 here-with)**
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 ref- erence
P.1	Reactions of Carbohydrates	
P.1.1	Reactions of Glucose	II
P.1.2	Reactions of Fructose	II
P.1.3	Reactions of Maltose	II
P.1.4	Reactions of Lactose	II
P.1.5	Reactions of Sucrose	II
P.1.6	Reactions of Starch	II
P.2	Reactions of Protein	
P.2.1	Reactions of Albumin	II
P.2.2	Reactions of Peptone	II
P.2.3	Reactions of Gelatin	II
P.2.4	Reactions of Casein	II
P3	Reaction of non- protein nitrogen substances- urea, uric acid, creatinine	II
P4	Reactions of normal urine	II
P5	Abnormal constituents of urine	III
P.5.1	Abnormal constituents of urine Part 1	III
P.5.2	Abnormal constituents of urine Part 2	III
P.6	Quantitative Analysis	I
P.6.1	Estimation of Blood Sugar	I
P.6.2	Estimation of serum urea	I
P.6.3	Estimation of serum creatinine	I
P.6.4	Estimation of serum uric acid	I

P.6.5	Estimation of serum total proteins	I
P.6.6	Estimation of serum bilirubin	I
P.6.7	Estimation of serum cholesterol	I
P.6.8	Estimation of serum triglycerides	I
P.6.9	Estimation of serum inorganic phosphates	I
P.6.10	Estimation of serum amylase	I
P.6.11	Estimation of SGOT	I
P.6.12	Estimation of SGPT	I
P.7	Demonstration	IV
P.7.1	Glucose Tolerance Test with graph (Normal and Abnormal)	IV
P.7.2	Paper electrophoresis – Demonstration	IV
P.7.3	Paper Chromatography - Demonstration	IV
P.8	SPOTTERS	VI
P.8.1	Calorimeter	VI
P.8.2	pH meter	VI
P.8.3	Centrifuge	VI
P.8.4	Semi auto analyser	VI
P.8.5	Haemoglobinometer	VI
P.8.6	Spectroscope	VI
P.8.7	Electrophoresis	VI
P.8.8	Chromatography	VI
P.8.9	Osazone crystals	VI
P.9	CASE STUDIES	
P.9.1	GTT Graph	V
P.9.2	Renal Glycosuria Case Studies	V

P.9.3	Acute myocardial infraction – Case Studies	V
P.9.4	Jaundice – Case Studies	V
P.9.5	Gout	V
P.9.6	Hyperthyroidism	V
P.9.7	Vitamin D Deficiency	V
P.9.8	Renal failure	V
P.9.9	Kwashiorkar	V
P.9.10	Marasmus – Case Studies	V
P.9.11	Hypercholesterolemia – Case Studies	V
P.9.12	Sickle Cell Anemia – Case Studies	V
P.9.13	Lesh Nyha Syndrome – Case Studies	V
P.9.14	Wilson’s diseases	V
P.9.15	Alkaptonuria	V

FORMAT -I
Format for Practical's -P 6

Right side of record note

Expt no	Heading	Page no
Date		

Aim

Principle

Reagents

Procedure

- A) Preparation of Protein free filtrate
- B) Development of colour

Result

Normal Value

Clinical Interpretation

Left side of record note

Calculation

Format -II

P1, P2, P3, P4 - Qualitative analysis

Experiment

Observation

Inference

Format - III
P 5 - Abnormal Constituents in Urine

Experiment

Observation

Inference

Clinical interpretation

Format - IV
P 7 - Demonstration

Description

Format - V
P9 - Case Studies

Case Report

Clinical Interpretation

Format - VI

P8- Spotters

Description

NORMAL VALUES

S.NO.	PARAMETER	NORMAL VALUE
01.	Serum Urea	Blood- 15-40 mg/100ml or 8-20 mg of Blood urea nitrogen (BUN)/100ml
02.	Serum Total Proteins	Plasma protein- 6.0-8.0 g/100ml Albumin- 3.5-5.0 g/100ml Globulins- 2.5-3.5 g/100ml Fibrinogen- 200-400 mg/100ml Albumin-Globulin ratio- 1.5:1
03.	Blood Sugar	Fasting- 70-110mg% Random- 80-130 mg% Postprandial- 90-140 mg%
04.	Serum Uric Acid	Male-3.5-7.0 mg/dl Female- 2.5-6.5 mg/dl
05.	Serum Bilirubin	0.2-1.2 mg/dl
06.	Serum Cholesterol	150-200 mg/dl
07.	Serum Triglycerides	50-200 mg/dl
08.	Serum Amylase	Amylase-50-120 U/L Lipase- 10-140 U/L
09.	SGOT	AST/SGOT-8-20 U/L
10.	SGPT	ALT/SGPT- Male- 13-35 U/L Female- 10-35 U/L
11.	Serum Creatinine	Serum/Plasma- 0.6-1.2 mg/100ml Urine- 1.0-2.0 g/24 hrs
12.	Serum Inorganic Phosphate	2.5-4.5 mg/dl