

# Department of Chemistry

## Facilities at Chemistry Research Centre



[ MUFFEL FURNACE 900 °C ]

[ HIGH TEMPERATURE FURNECE - 1300 °C ]

TECHNICO

TECHNICO



THERMOSTAT



**U.V.VISIBLE SPECTROPHOTOMETER -- LABMAN**



**SCHIMADZU HIGH  
PRECISION BALANCE**



**K-ROY SINGLE PAN BALANCE**



**DOUBLE DISTILLATION SET**



**HOT PLATE**



**WATER BATH**



**DE-IONIZER**

## INSTRUMENTATION AT UG CHEMISTRY LABS



**Digital Conductivity Meter**  
Company : Systronics



**Ion Exchanger**  
Company :  
Wation 050200



**Digital Potentio Meter**  
Company : Systronics



**Hot Air Oven**  
Company :  
Kemi



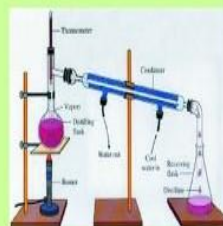
**Digital Colori Meter 115**  
Company : Systronics



**Muffle Furnace**  
Company :  
Kemi



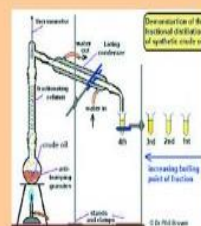
**Magnetic Sturrer with Hot Plate**  
Company : Infra



**Distilation Apparatus**  
Company :  
Borocil Glass Wear



**Melting Point Apparatus**  
Company : Edison



**Fractional Distilation Apparatus**  
Company :  
Borocil Glass Wear



**Digital Electronic Balance**  
Company : Infra



**DIGITAL ELECTRONIC BALANCE**



**MAGNETIC STIRRER**



**MELTING POINT APPARATUS**



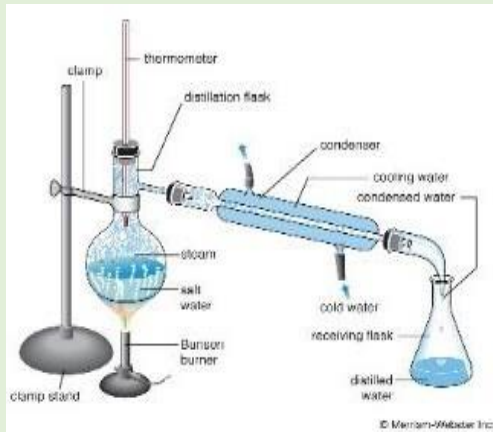
**HEATING MANTLE**



**CENTRIFUGE MACHINE**



**DESICCATOR**



**SIMPLE DISTILLATION APPARATUS**



**DIGITAL PH METER**



**DIGITAL POTENTIOMETER**



**DIGITAL CONDUCTIVITY METER**



**DIGITAL COLORIMETER**

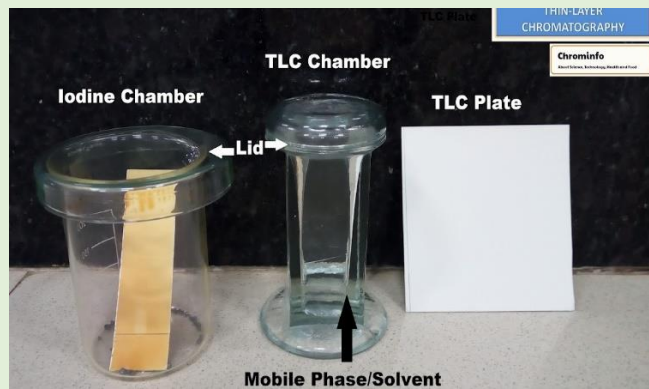
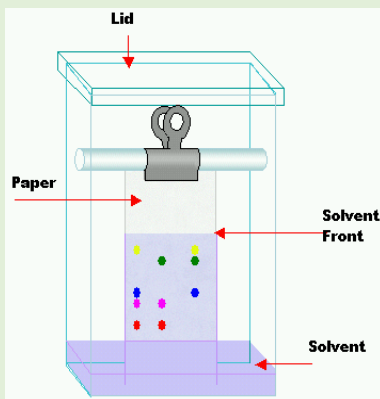


DIGITAL COLORIMETER



DIGITAL ELECTRONIC BALANCE

## CHROMATOGRAPHY TECHNIQUES



## THIN LAYER CHROMATOGRAPHY



## COLUMN CHROMATOGRAPHY

## SOIL TESTING KIT



DIGITAL P<sup>H</sup> METER

**SRR & CVR GOVERNMENT DEGREE  
COLLEGE (A), VIJAYAWADA-4**



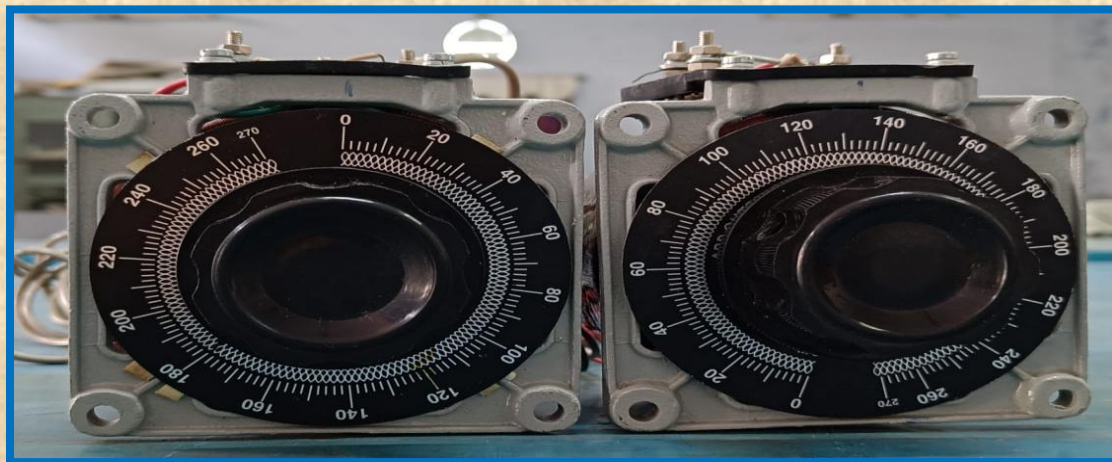
**DEPARTMENT OF PHYSICS & ELECTRONICS**

**UG RESEARCH EQUIPMENT**

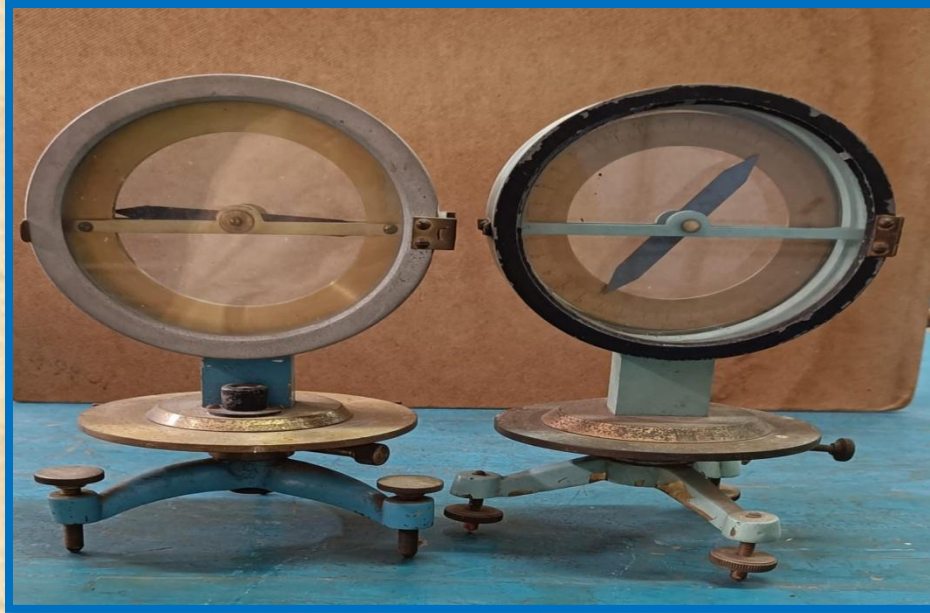
**SRR & CVR GOVERNMENT DEGREE COLLEGE (A), VIJAYAWADA-4**  
**DEPARTMENT OF PHYSICS & ELECTRONICS**  
**UG RESEARCH EQUIPMENT**



**CONSTANT TEMPERATURE WATER BATH**



**VARIAC**



**DIP CIRCLE**



**SPOT REFLECTING GALVANOMETER**



**FUNCTION GENERATORS**



**BALLISTIC GALVANOMETER**



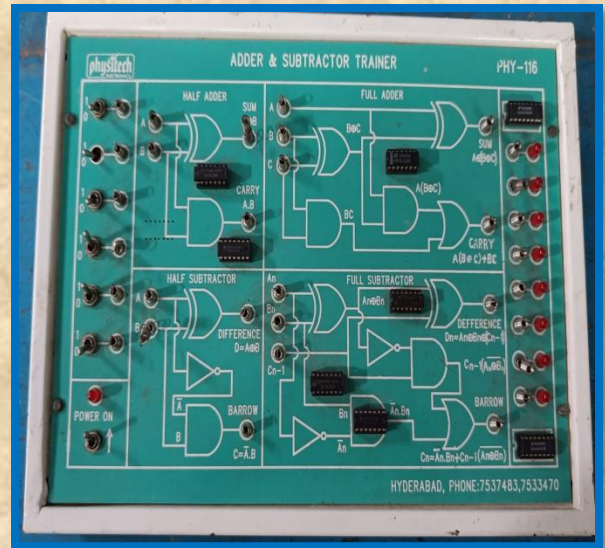
**BAROMETER**



**PLANCK'S CONSTANT APPARATUS**



**TRANSISTOR CHARACTERISTIC APPARATUS**



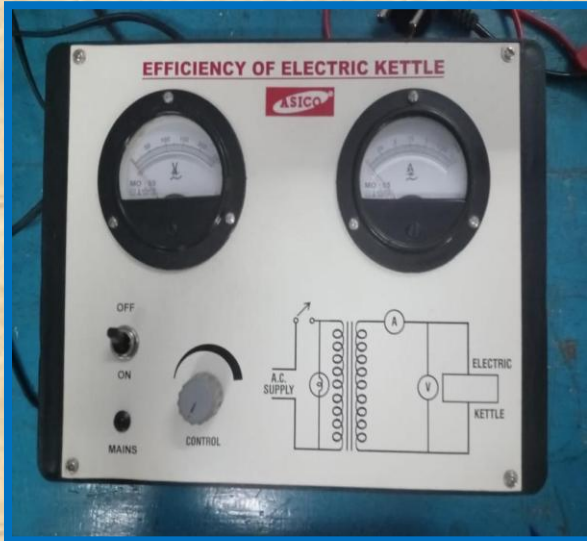
**ADDER & SUBTRACTOR TRAINER KIT**



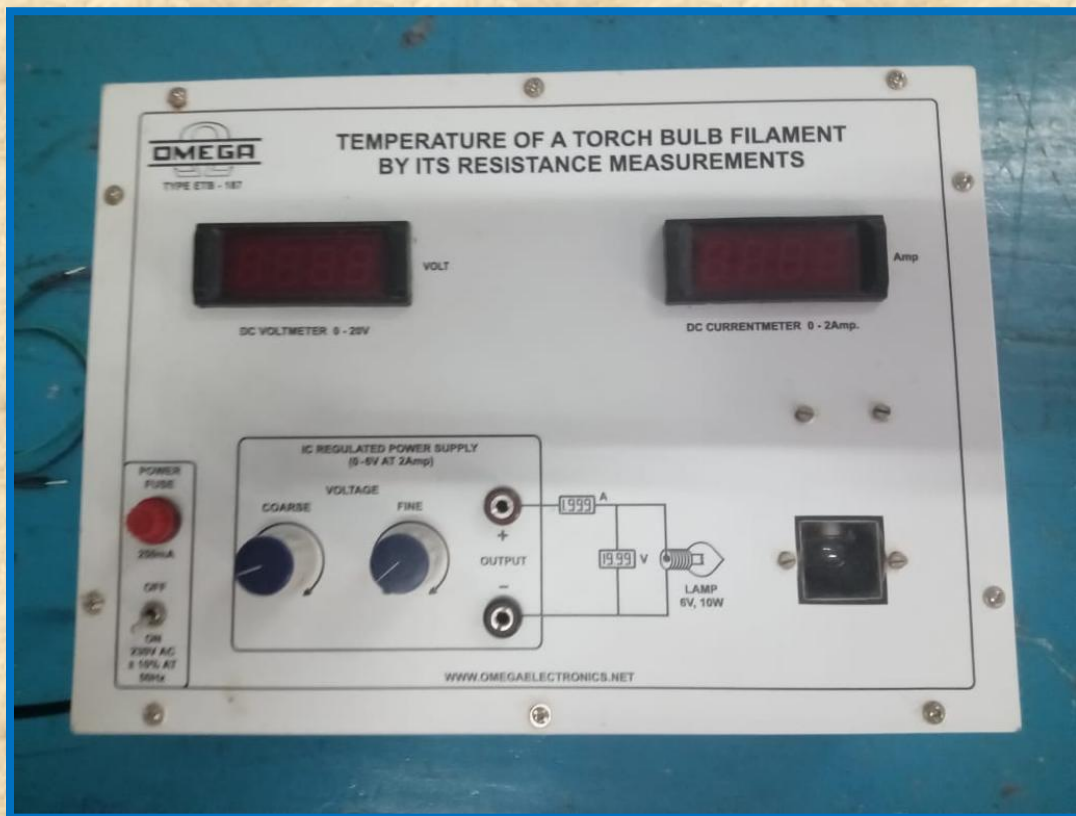
**ULTRASONIC INTERFEROMETER**



**OPTICAL BENCH**



**EFFICIENCY OF ELECTRICAL KETTLE THERMISTOR CHARACTERISTICS**



**ELECTRICAL BULB CHARACTERISTICS TRAINER**



**SPECTROMETERS**



**POLARIMETER**



**TRAVELLING MICROSCOPE**



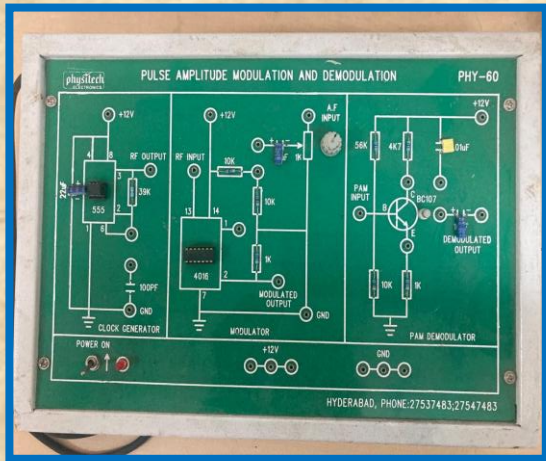
**8085 MICROPROCESSOR TRAINER KITS**



**8051 MICROCONTROLLER TRAINER KITS**



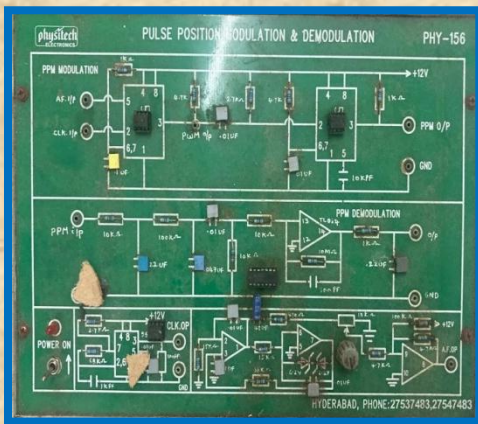
**DUAL TRACE CATHODE RAY OSCILLOSCOPES (20 MHZ)**



**PULSE AMPLITUDE MODULATION & DEMODULATION TRAINER KIT**



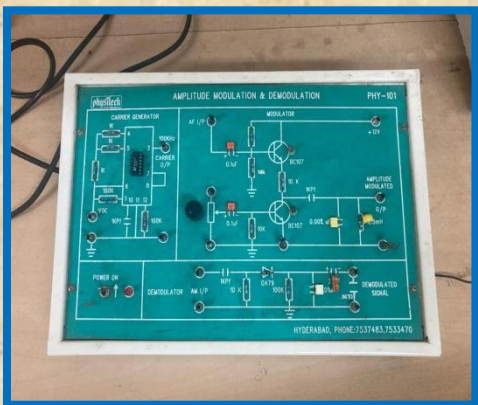
**INSTRUMENTATION KITS**



**PULSE POSITION MODULATION & DEMODULATION**



**DIGITAL POWER SUPPLY**



**AMPLITUDE MODULATION & DEMODULATION**



**ANALOG POWER SUPPLY**

**SRR&CVR Govt. Degree College (A)**  
**Department of Biochemistry**



**HOT AIR OVEN**

SRR&CVR Govt. Degree College (A)  
Department of Biochemistry



**TABLETOP CENTRIFUGE**

**SRR&CVR Govt. Degree College (A)**  
**Department of Biochemistry**



AUTOCLAVE

AUTOCLAVE

**AUTOCLAVE**

**SRR&CVR Govt. Degree College (A)**  
**Department of Biochemistry**



**COLORI METER**

**SRR&CVR Govt. Degree College (A)**  
**Department of Biochemistry**



**WATER BATH**

**SRR&CVR Govt. Degree College (A)**  
**Department of Biochemistry**



**WATER DISTILLATION UNIT**

**SRR&CVR Govt. Degree College (A)**  
**Department of Biochemistry**



**DIGITAL BALANCER**

**SRR&CVR Govt. Degree College (A)**  
**Department of Biochemistry**



**DIGITAL & SIMPLE BALANCER**

**SRR&CVR Govt. Degree College (A)**  
**Department of Biochemistry**



**DIGITAL Ph METER**

**SRR&CVR Govt. Degree College (A)**  
*Department of Biochemistry*



**KYON PROJECTOR**

**SRR&CVR Govt. Degree College (A)**  
**Department of Biochemistry**



**ROTARY MICROTOME WITH HAND WHEEL**

**SRR&CVR Govt. Degree College (A)**  
**Department of Biochemistry**



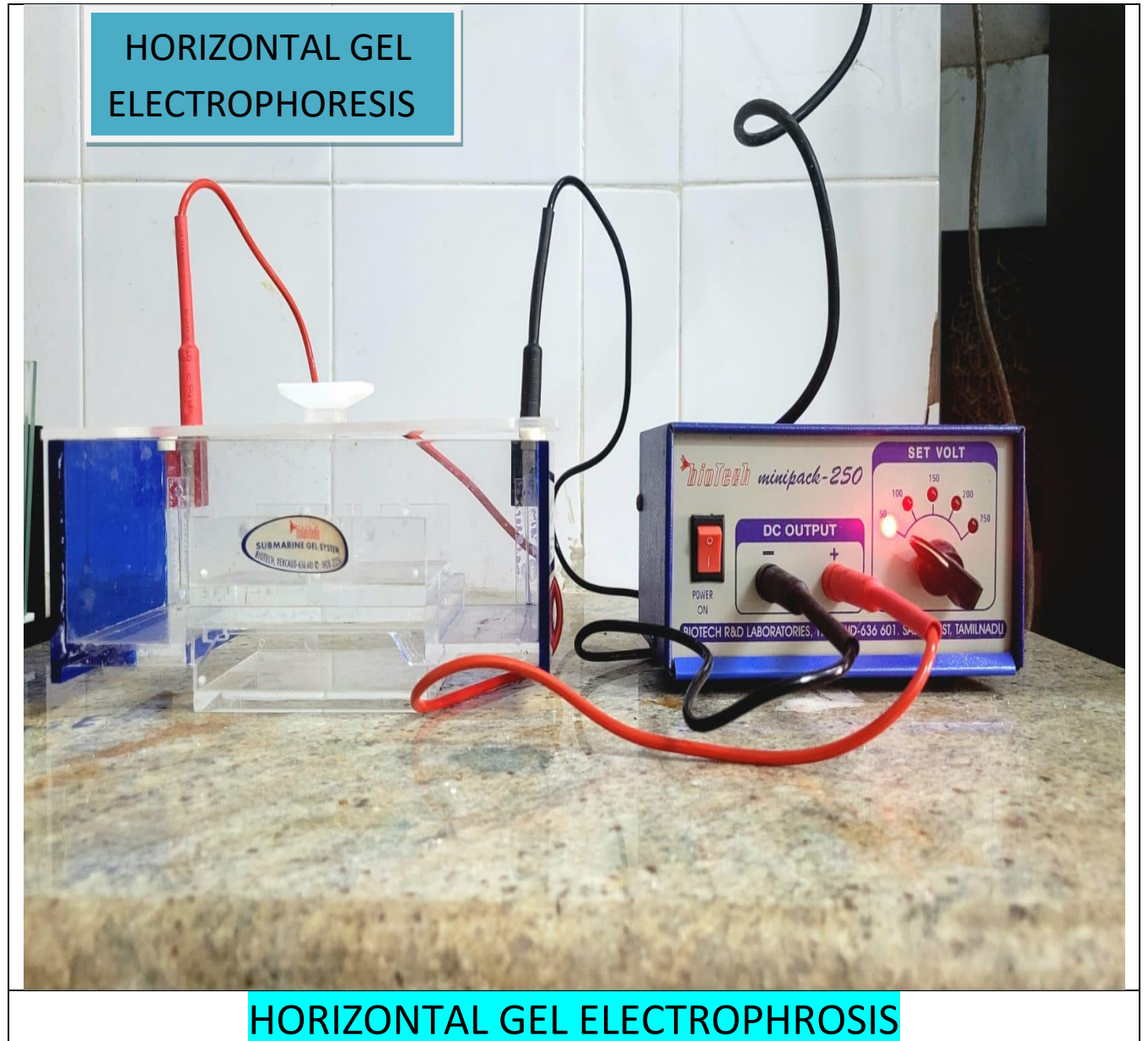
**LIGHT MICROSCOPES-9**

**SRR&CVR Govt. Degree College (A)**  
**Department of Biochemistry**



**VERTICAL GEL ELECTROPHORESIS UNIT**

**SRR&CVR Govt. Degree College (A)**  
**Department of Biochemistry**



**SRR&CVR Govt. Degree College (A)**  
**Department of Biochemistry**



**GIUCO METER**

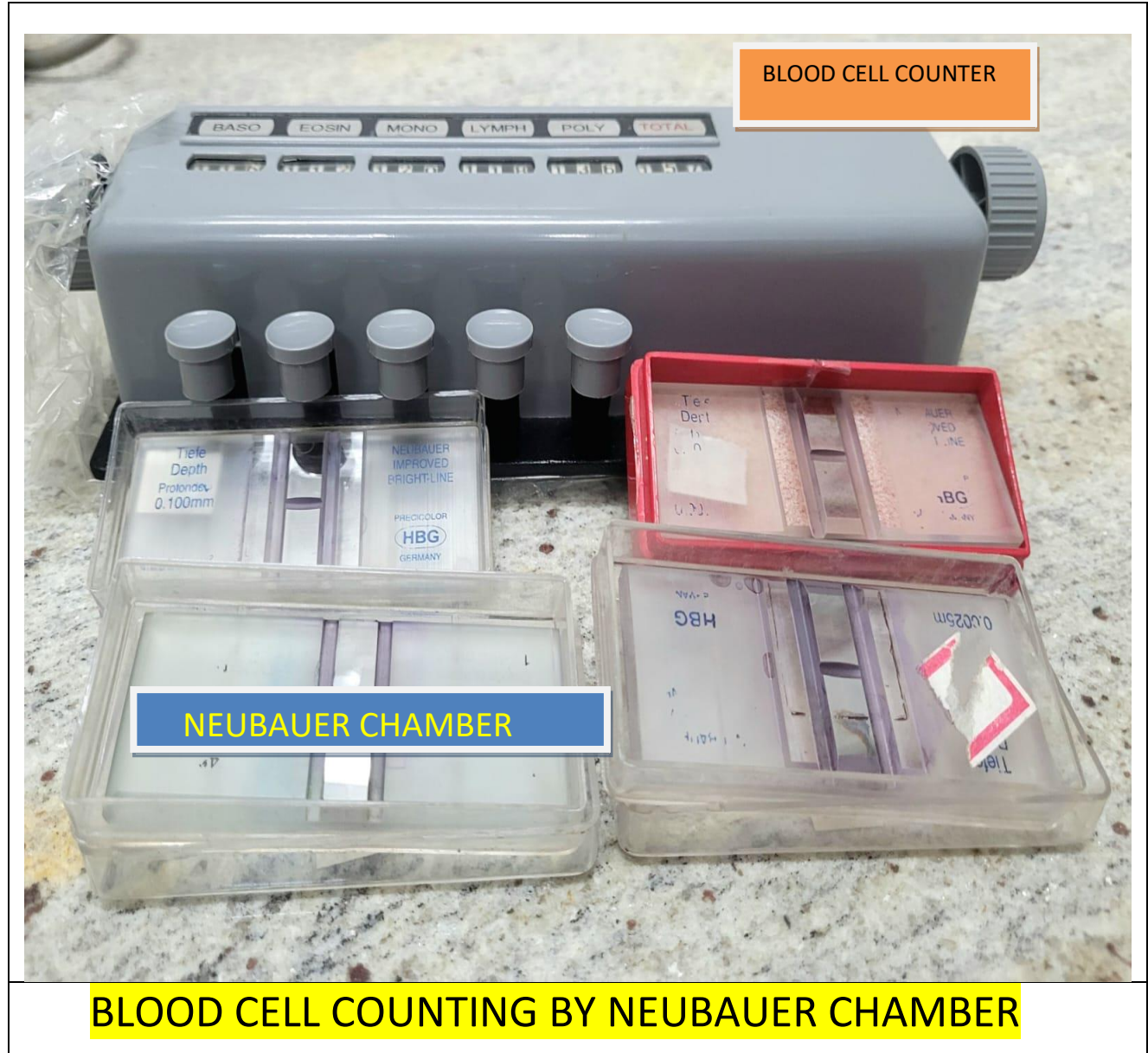
**SRR&CVR Govt. Degree College (A)**  
**Department of Biochemistry**



**BP MACHINE**

**DIGITAL BP MACHINE**

**SRR&CVR Govt. Degree College (A)**  
**Department of Biochemistry**



**BLOOD CELL COUNTING BY NEUBAUER CHAMBER**

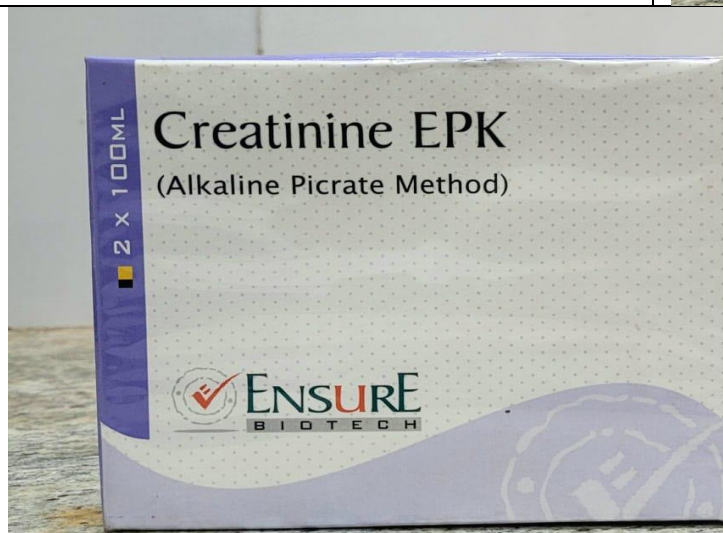
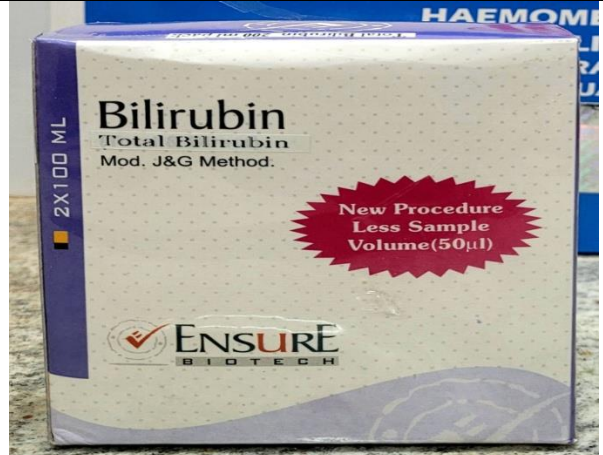
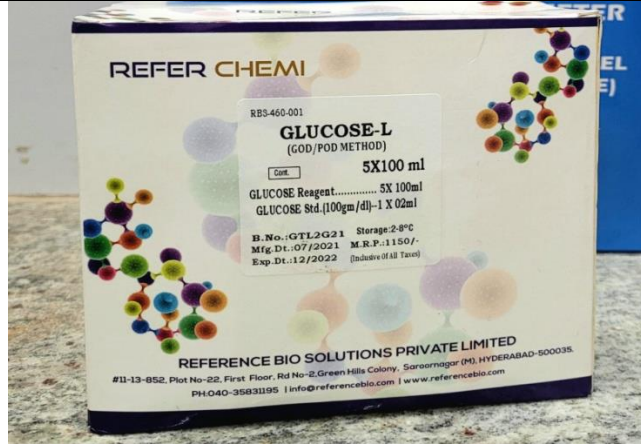
**SRR&CVR Govt. Degree College (A)**  
**Department of Biochemistry**



# SRR&CVR Govt. Degree College (A)

## Department of Biochemistry

### SERUM MARKERS ESTIMATION KITS



**SAHLI'S HAEMOGLOBINO METER**

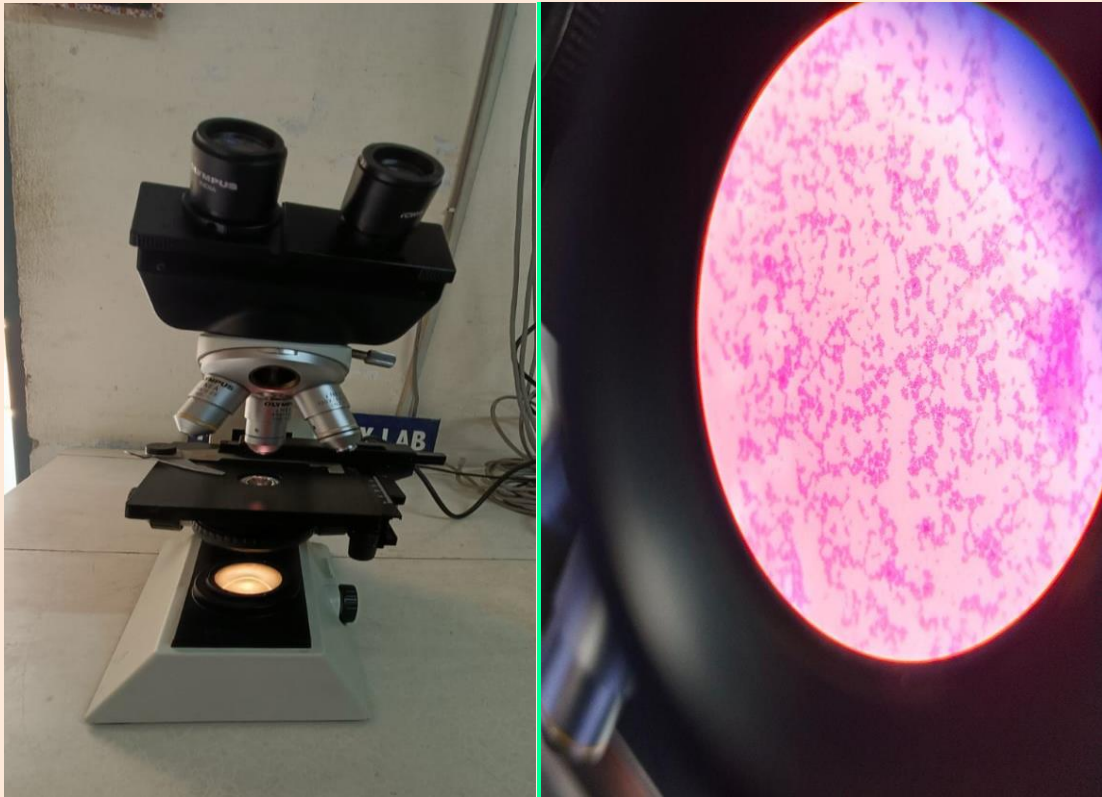


**SRR & CVR GOVT. DEGREE COLLEGE (A), VIJAYAWADA**  
**DEPARTMENT OF MICROBIOLOGY**



**Instrumentation at Microbiology Laboratory**

## Instrumentation at Microbiology Laboratory



**Binocular Microscope**



**Simple Microscopes**



**Laminar Air Flow Cabinet**



**Hot Air Oven**



**Bacteriological Incubator**



**Colorimeter**



**Colony Counter**



**Spectrophotometer**



**SRR & CVR GOVERNMENT DEGREE COLLEGE  
(AUTONOMOUS)  
MACHAVARAM, VIJAYAWADA-520004  
DEPARTMENT OF ZOOLOGY**

**Instrumentation available for UG students in  
Zoology Labs**



**TIMER CENTRIFUGE**



**CLINICAL CENTRIFUGE**



**SPECTROPHOTOMETER**



# ELECTROPHORESIS EQUIPMENT



# PATHOLOGICAL MICROSCOPES



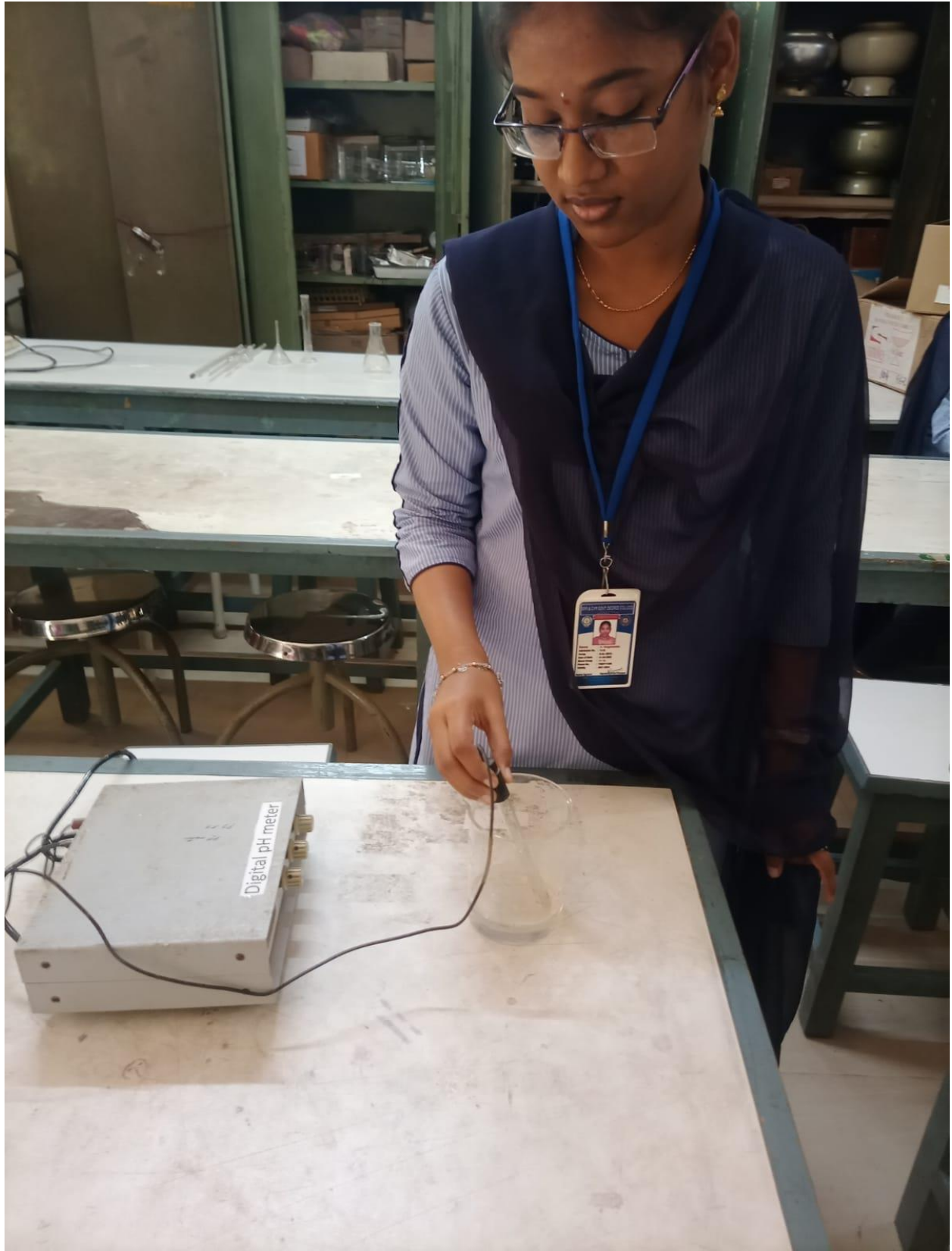
## **STAGE MICROSCOPES & COMPOUND MICROSCOPES**



**VOTREX MIXTURE**



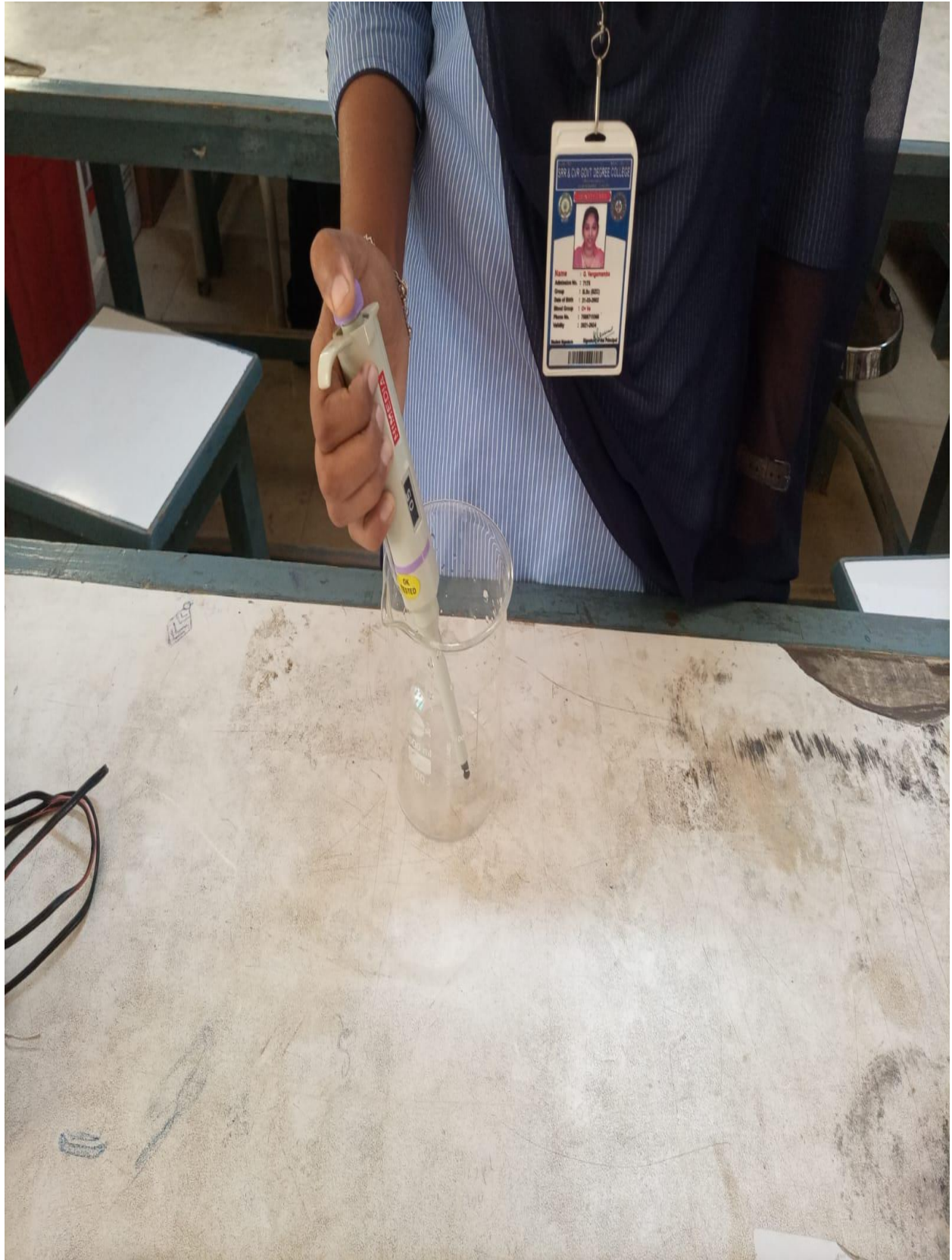
**WEIGHING MACHINE**



**DIGITAL pH METER**



**DIGITAL MONOPAN ELECTRIC BALANCE**



# MICROPIPETTES



**HOT PLATE**



**PROJECTION MICROSCOPE**



**SALINITY METER**



**pH meter, Salinity meter, Turbidity meter**



**Heating Mantle**



**HOT AIR OVEN**



**SRR & CVR GOVERNMENT DEGREE COLLEGE  
(AUTONOMOUS)  
MACHAVARAM, VIJAYAWADA-520004  
DEPARTMENT OF ZOOLOGY**

**Zoology Museum with Rare Specimens**

The department of zoology is maintaining good number of specimens around 400 out of which some rare specimens are preserved with special care. Maintaining rare specimens in zoology museum is essential for conservation, research, education, and historical purposes. By maintaining these specimens, zoology museums can help preserve genetic diversity and potentially aid in conservation efforts. They can provide valuable educational opportunities for students and the general public.

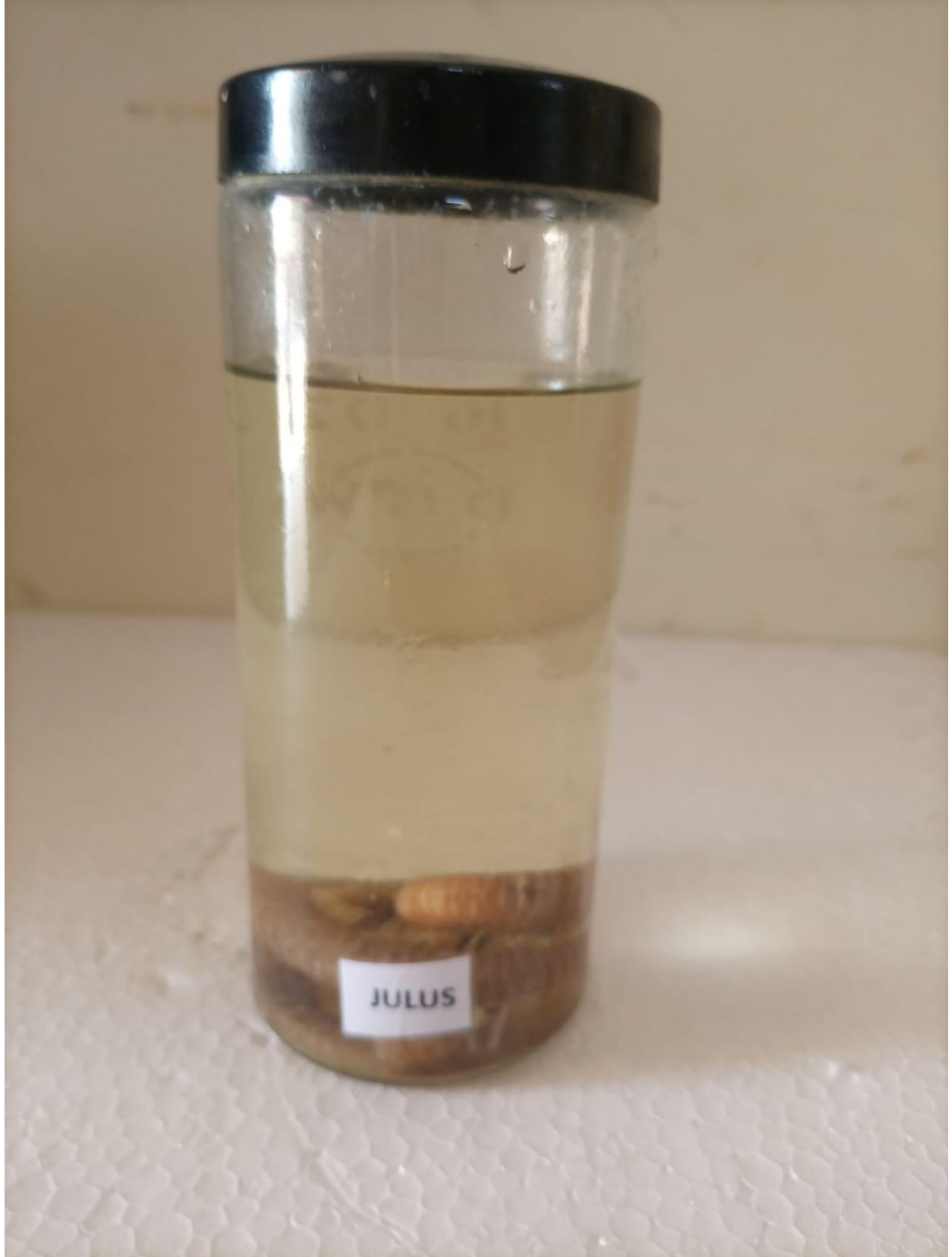






LYCODON

























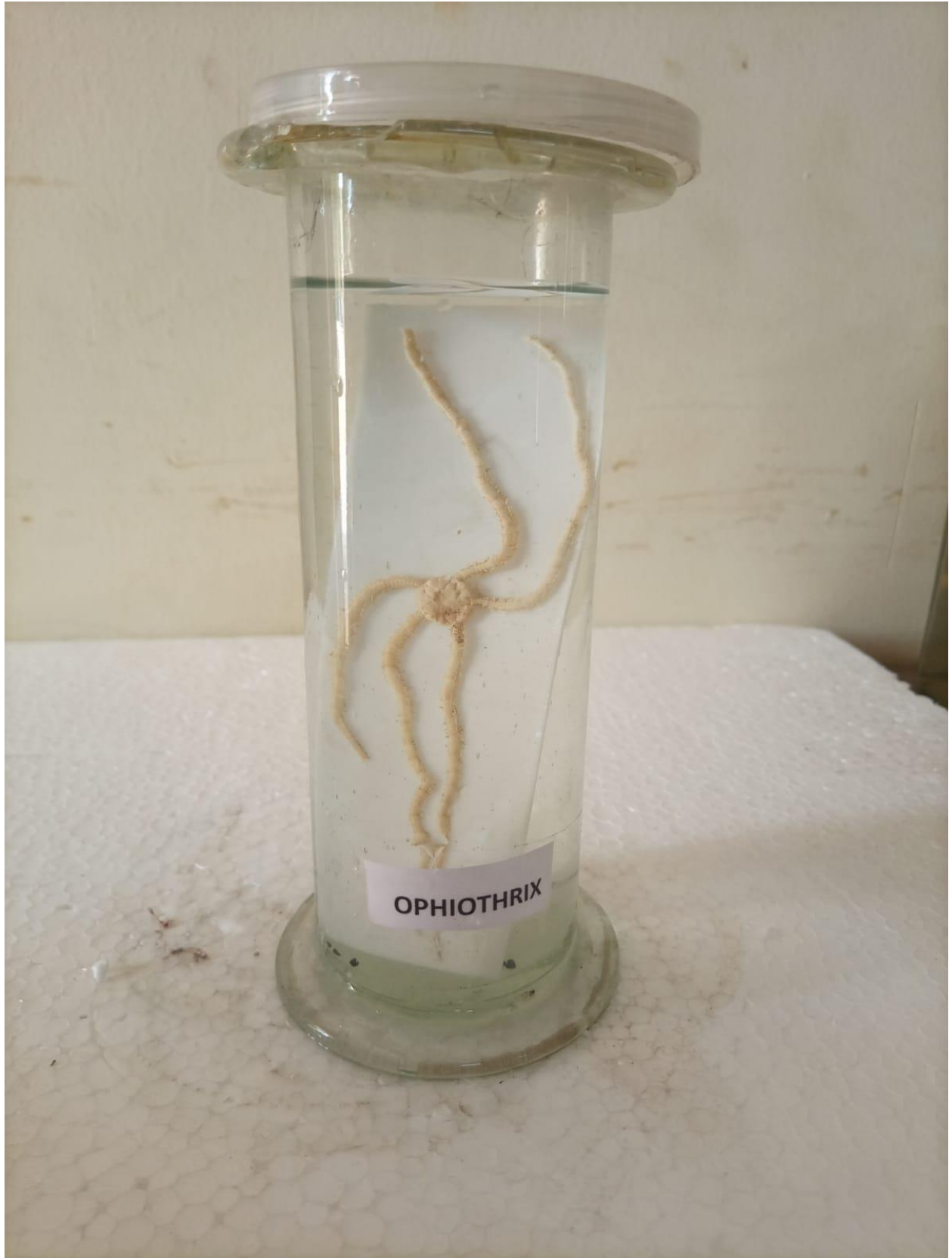
























## PROJECTION MICROSCOPE



**BOD INCUBATOR**



**INCUBATOR**



**CENTRIFUGE**



**BINOCULAR RESEARCH MICROSCOPES**

## PATHOLOGICAL MICROSCOPES



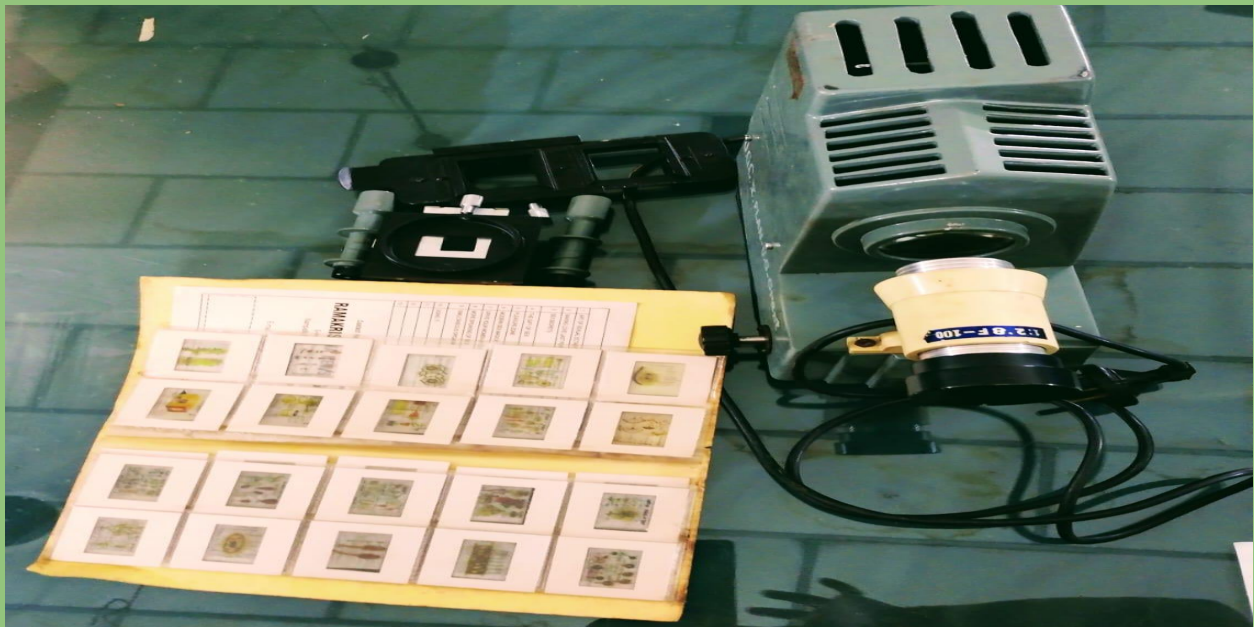
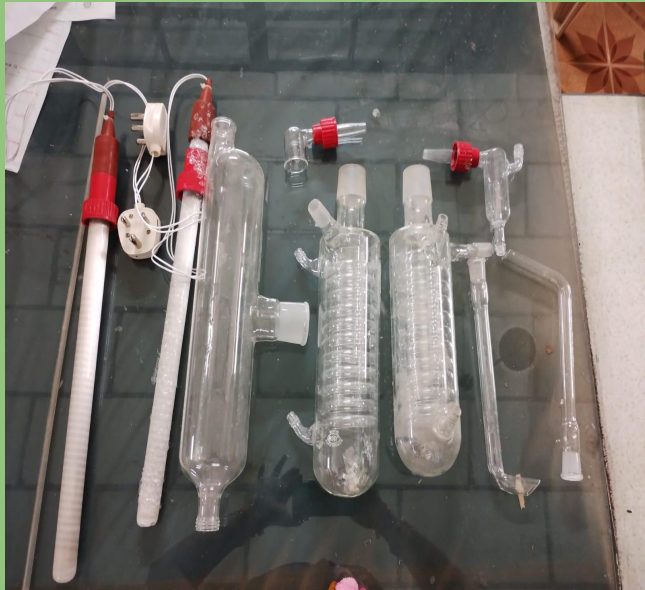
## MEDICAL / RESEARCH MICROSCOPES



## Horizontal Gel Electrophoresis Kit



## WATER STILLS



## MICROSCOPIC SLIDE PROJECTOR

**MICROTOME**



**CHROMATOGRAPHY CABINET**



**OVEN**



**STAGE MICROMETER**



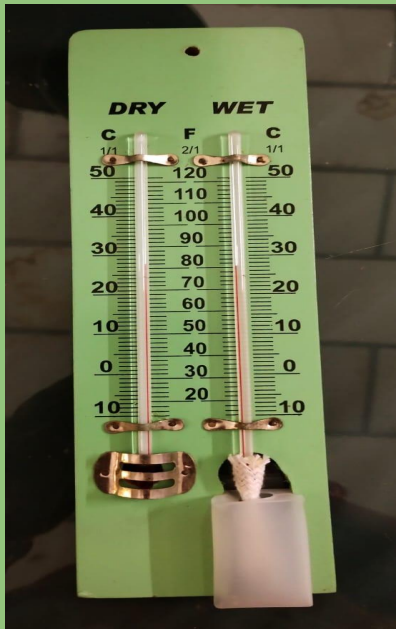
**EPIDIASCOPE**



**CAMERA LUCIDA**



**WET & DRY BULB THERMOMETER , HYGROMETER, ANEMOMETER**



## TRANSPIRATION BELL JAR & GANONG'S POTOMETER



MAGNETIC STIRRER WITH HOT PLATE

**OHP PROJECTOR**



**SOIL ANALYSIS KIT**



**pH meter**



**Dryer**



**RAZOR MICROTOME**

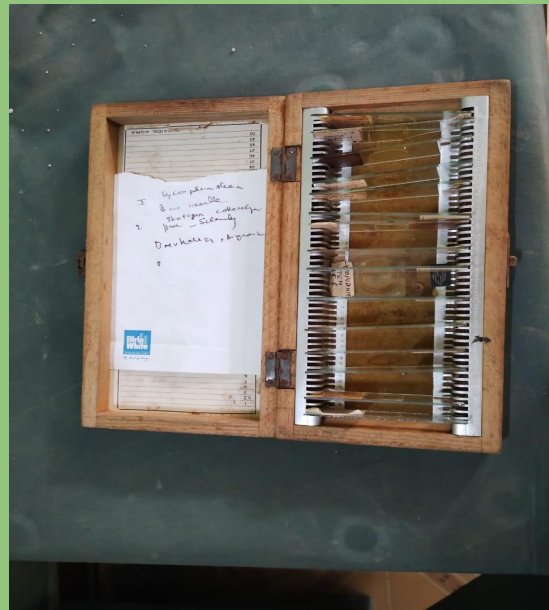


**MAGNIFIER**

## SIMPLE AND COMPOUND MICROSCOPES



## SLIDE CABINET AND BOXES



**CAMERA**



**BINOCULARS**



**MAGNIFIER GLASS**



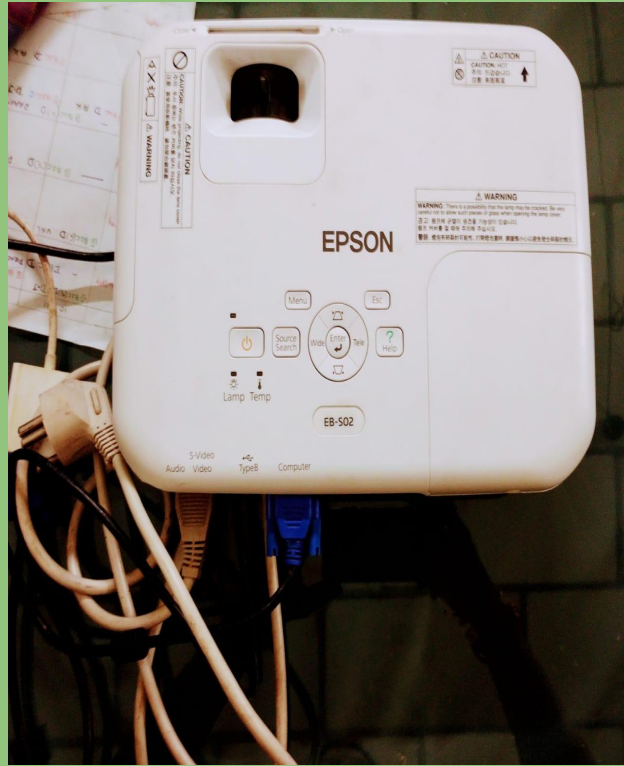
**MICROPIPETETTE VARIABLES**



## REFRIGERATOR



## PROJECTOR



**SRR & CVR Government Degree College**  
An Autonomous & ISO 9001:2015 Certified Institution. Ranked by NIRF in 101-150 band at NIRF-2020 & 151-200 band  
in NIRF-2019. NAAC accredited Institution with grade B++ with CCI, P3 2.0 during March, 2017.  
Machavaram, Vijayawada, Krishna District, AP-520 004



**DEPARTMENT OF BOTANY**

## **DEPARTMENT OF BOTANY SPECIMENS**

**(Algae,Fungi,Bryophyta, Pteridophyta, Gymnosperms, Pathology)**

**Puccinia, Marchantia , Nymphaea , Hydrophytes & Pathology**



Lichens , Lycopodium Selaginella , Marchantia ,Nymphaea,Gnetum, Chara



**Gnetum male & female cones, Pistia Adiantum, Cycas Sporophyll**



**Chara , Pathology , Pinus needle**



**Adiantum, Selaginella, Lycopodium Equisetum, Glychenia**





**Equisetum, Daucus, Equisetum, Clematis, Paddy spikelets, Hydrocotyl asiatica**



**Bulbophyllum, Amorphophallus, Colocasia Tikka disease ( Groundnut)**



**Hydrophytes**



**Gnetum , Pinus , Osmunda, Funaria, Ectocarpus , Lycopodium**





Gracilaria, Phytophthora, Rhodophyceae and Pathology specimens



Adiantum, Chara , Bulbophyllum , Marsilea





**Pathology , Hydrophytes, Bryophyta Specimens**





**Peziza, Foliose and Fruticose Lichens , Red algae**



**Gymnosperms Pinus, Gentum , Cycas Reproductive structures , Sporophylls**



**GYMNOSPERMS SPOROPHYLLS AND CONES**



**Polytrichum, Pinus , Pathology Specimens**



**Pathology specimens showing Disease symptoms**



**Selaginella, Adiantum, Bacterial and Fungal Pathology Specimens**



**Fucus, Peltia and Hydrophytes**



**Araucaria , Artabotrys and Pathology specimens**



**Fern Prothallus , Cycas Megasporophyll , Cycas seeds and Paddy Blast**



**Lycopodium , Prella, Pinus, Marchantia, Gnetum , Anthoceros, Funaria,  
Hydrophytes , Redrot Of sugarcane , selaginella, cycas**

Osmunda ,Porella, Psilotum,Polytrichum, Porella Fern and Pathology

