

LIST OF NEW PRACTICALS CONDUCTED USING THE EQUIPMENTS PURCHASED

Name of Equipment purchased	New experiment/ project conducted
DEPARTMENT OF BOTANY	
Soxhlet Extractor	Extraction of oil from medicinal plants.
37°C Incubator (Size 450x450x450mm)	Culture techniques of Algae.
Water Bath (Size 300x250x175mm)	Culture techniques of Algae.
Monocular Microscope	Study of slides of micro-sized plants and anatomical sections of roots and stems
Dissecting Microscope	Dissection and study of small parts and specimens of plants e.g., ovaries and placentation.
Double Distillation Unit/Mili Q	Preparation of distilled water
Vortex Shaker	DNA isolation techniques.
DEPARTMENT OF CHEMISTRY	
UV cabinet	Paper Chromatographic separation of metal ions
Digital Colorimeter	Colorimetric Determination of Metal Ions
Silica gel coated plates	Paper Chromatographic separation of metal ions
Analytical Balance	Molecular Weight Determination
Viscometers	To determine the absolute viscosity of organic liquids(project)
Thermometer	Adsorption of acetic acid using charcoal, Determination of solubility at different temperatures
Victor Meyers Apparatus	Molecular Weight Determination
Chemical Balance	Acetylation, Nitration
Digital pH meters	To measure the pH of various solutions(project)
Double distillation unit	Preparation of distilled water
DEPARTMENT OF ZOOLOGY	
Collecting Net, Models, Slide Cabinet, Biovisual Charts, Binocular Microscope	For Catching flies for DNA Isolation (BSc. III) In Spotting (BSc Part I,II,III) To Store the permanent slides introduced in B.Sc, I, II and III) For BSc Part I, II and III topics Used in study of the slides in BSc, Part I, II and III practicals
Magnetic Stirrer	to dissolve chemicals and stains used for B.Sc, I, II and III
PCR Teaching Kit Agarose Gel Electrophoresis Kit	In Demonstration of PCR reaction and agarose gel electrophoresis in BSc Part III practical In Hands on training program held on 17-18 August 2021
Hot air oven Monocular Microscope	Used for incubation steps in DNA isolation steps in BSc III Used in study of the slides in B.Sc, Part I, II and III practicals
Blood Group Determination Kit	In Demonstration of Blood Group Determination in BSc II
pH Meter	For determination of pH of various solutions prepared for BSc I, II and III practical
Haemocytometer	Introduced practical in BSc Part I for counting Blood cells