

Department of Computer Science
Ramsaday College
Amta, Howrah

**Minimum Requirements for Digital Practical Lab to conduct the classes of
Sem-1 (MDC) and Sem-3 (Minor) students:**

Sl.	Item	Quantity
1	Bread Board	4
2	5 Volt Power Supply	4
3	Multi-meter	2
4	IC 7400	8
5	IC 7402	5
6	IC 7404	5
7	IC 4708	8
8	IC 7432	8
9	IC 7473	5
10	IC 7474	5
11	IC 7476	5
12	IC 7483	4
13	IC 7485	2
14	IC 7486	5
15	IC 74138	4
16	IC 74139	6
17	IC 74151	4
18	IC 74153	6
19	Colourful wires (Red, Green, Yellow)	15 metres each
20	Wire Cutter	2
21	LED (Red, Green, Blue)	10 each
22	Tweezer	1
23	Resistance 100 Ohm	10

Ramsaday College ,Amta
Department of Food & Nutrition

Requisition

Item	Quantity
Anthropometric Rod	1
Anthropometric Tape	1
Skinfold Caliper	1
Sphygmomanometer	1
10 ml test tube	24
1 ml volumetric Pipette	6
2 ml volumetric Pipette	6
10 ml measuring cylinder (Plastic)	6
Body weight Machine	1
Hemoglobinometer Tube (Sahli's Tube)	1
Tissue Paper	2 packet
Induction oven	1
P20 Micropipette (2 μ L to 20 μ L)	1
P20 Micropipette Tips	1 packet
P1000 Micropipette (100 μ L to 1000 μ L)	1
P1000 Micropipette Tips	1 packet

Requisition From Department of Microbiology

- 1) Compound Monocular Microscope/ Compound Binocular Microscope
Specifications- Objective lens 4X, 10X, 40X And 100X
Ocular Lens or Eyepiece 10X and 15X
Separate Coarse and Fine Focusing Knobs
In build Light source
Number of requirements- 02

- 2) Parafilm M[®]
Tarson (Make) Code- 380020, Size- 4"×125', Pack Size- 1
Requirement -1 pack

Sayed Ghosh
4/9/2024

Ramsaday College

Department of Botany

Requirements of class room activity items for odd semesters

Session: 2024-2025

A. Permanent slides

1. Zygosporangium of *Rhizopus*
2. Ascus with Ascospore of *Ascobolus*
3. Basidia with Basidiospore of *Agaricus*
4. Whole mount of *Nostoc*
5. Reproductive structures of *Ectocarpus*
6. Antheridiophore and Archegoniophore of *Marchantia*
7. *Marchantia* with Gemma cup
8. Sporophytic plant body of *Anthoceros*
9. Capsule with peristome teeth of *Funaria*

B. Slides of Anatomical structures

1. Types of Monocot stomata
2. Types of Dicot stomata
3. Sclerenchyma and parenchyma cells
4. Sclereids
5. Raphides (*Colocasia*)
6. Cystolith (*Ficus* leaf)
7. Starch grains,
8. Aleurone grains

C. Permanent slides

1. Laticiferous ducts
2. Oil glands.
3. Root-Monocot and dicot, Stem- Monocot and dicot, Leaf- Isobilateral and Dorsiventral
4. Stellar types
5. Study of anomalous secondary structure in stem of *Bignonia*, *Boerhaavia*, *Tecoma*, *Dracaena* and root of *Tinospora*.
6. Section of *Nymphaea* – petiole
7. Section of *Nerium* – leaf

8. Section of *Aegiceros corniculata*- salt gland

9. Section of root (Orchid - velamen)

D. Steel Almirah – 02

E. Chemical Requirements

1. Absolute alcohol – 4 lit.
2. Ammonium hydroxide –1 lit
3. Barfoed's Reagent – 2 (500ml)
4. Seliwanoff's reagent -- 1 (500ml)
5. Denige's reagent --1(100ml)
6. Sucrose --2kg
7. Sodium carbonate --2 (500ml)
8. Sodium bicarbonate -- 2(500ml)
9. Disodium hydrogen phosphate -- 1(500g)
10. Cadmium chloride --1(500g)
11. Resorcinol solution --1(250ml)
12. Ferrous sulphate --1(500g)
13. Ferrous chloride --1(500g)
14. Dextrose – 1 kg
15. Agar powder- 500 gm

F. Glass goods

1. Pipette (1ml, 2ml, 5ml, 10ml, 20ml) --4 pieces each
2. Burette stand plastic -- 4 piece
3. Culture tube (Borosil)—20 pieces
4. Petri plates (Borosil) 20 pairs
5. Non absorbent Cotton – 500 g
6. Measuring cylinder -(10ml,25ml,50ml)-- 2piece each
7. Test tube(Borosil)×200piece

G. Instruments

1. Colorimeter -- 01

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09/09/24

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RAMSADAY COLLEGE

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An Institution Re-accredited by NAAC (3RD Cycle, Grade-B⁺)

P.O.- AMTA • DIST.- HOWRAH • PIN - 711401

Department of Physics

Ref. No.....

Date..... 03.09.2024

Equipment Requisition

- | | | (Quantities) | Estimated price |
|-----|--|--------------|-----------------|
| 1. | Dual Power supply ($\pm 12V$) | 05 pcs | @ Rs. 2000/- |
| 2. | Polarimeter | 1 set | @ Rs. 7000/- |
| 3. | Malus Law Apparatus | 1 set | @ Rs. 15000/- |
| 4. | Sextant Apparatus | 2 sets | @ Rs. 10000/- |
| 5. | Multimeter Metravi | 05 pcs | @ Rs. 3000/- |
| 6. | CRO (cathode Ray Oscilloscope) | 1 set | @ 25000/- |
| 7. | Function generator | 1 set | @ 15000/- |
| 8. | Replacement of motherboard, processor & RAM of PC | 3 sets | @ 18000/- |
| 9. | 5 KVA Servo Stabilizer (working range) (100-285V) (Bluelizer) | 1 set | @ 18500/- |
| 10. | Green Chalkboard (8ft x 4ft) (Alkosisign Astra chrome, Non-magnetic, Melamine surface) | 1 pc | @ 11000/- |

Ghoshal. 03/09/2024

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