

DEPARTMENT OF BOTANY
Purchase 2017-18
Govt. General Degree College, Lalgarh, Jhargram

INSTRUMENTS

Requirements	QUANTITY
Simple Microscope	20
Compound Microscope (Olympus)	10
Camera Lucida	10
Ocular and Stage Micrometer	10 each
Magnetic stirrer	1
Camera DSLR with telescopic and wide zoom (standard), SD Card 32 GB, Stand	1 plus 1 plus 1
GPS (3Digit Garmin)	1
Binocular (Olympus)	1
pH meter (Systronics)	1
Distillation plant (Borosil) 4 Lt Capacity	1
Autoclave Steel Double (Standard) Vertical	1

CHEMICALS

Requirements	Volume (mL)	Quantity
Formalin	500mL	5
Xylene	500 mL	1
Malachite Green	250ml	1
Methyline Blue	250ml	1
Acetoorcein	5gm	1
Carmine	5 gm	1
Aesculine	2gm	1
Para Dichloro benzene	100gm	1
Absolute alcohol	Ethanol 500	10
Sodium chloride	500g	1
Bacteriological stains (Crystal Violet)	125mL	1
Safranin	450ml	1
Orthoposphoric acid	450ml	1
Light Green	450ml	1
Bismark Brown	450ml	1
Beef extract	450gm	1
Agaragar	450gm	1
Peptone	450gm	1
Acetone	450ml	20
Diphenyl amine	10gm	1

Ph Tablets	10pc	2 box
Ferrous ammonium sulphate	450gm	2
Carmine powder	5g	1
Haematoxylin powder	5g	1
Ammonium alum	250g	4
Methyl alcohol	500mL	1
Glycerine	500mL	1
Chloroform	500mL	1
DPX	250mL	1
Euparal	500ml	1
Canada Balsam	500ml	1
Sodium carbonate	500g	1
Sodium hydroxide	500g	1
Copper sulphate	500g	1
Sodium potassium Tartrate	500g	1
Acid HCL (dilute & conc.)	500ml	1,1
Benedict's reagent	500mL	1
Mercuric Chloride	200gm	1
Sulphuric Acid	500ml	2
Zinc Powder	25gm	1
Starch	500g	2
Picric acid	500g	1

GLASS GOODS

Requirements	Volume (mL)	Quantity
Beaker	250ml, 1L	5, 2
Measuring cylinder	250ml, 500ml, 1L	7, 5, 2
Glass Bottle	125ml, 250ml	5, 5
Spirit Lamp		10
Glass Container for Specimen Collection	2L, 1L, 500ml,	5, 10, 10
Glass slides	Box of 50	5
Cover slip	Box of 100	5
Glass Pipette	10ml	5
Burette	50ml	5
Filter paper (SD Fine/	box of 100	1 pkt

Lab Star)		
Alpin		5 pkt

SPECIMEN

Requirements	Name	Quantity
Slide specimens	Nostoc, Anabaena, Volvox, Polysiphonia	5, 5, 5
Glass jar specimens	Cycas female, Pinus and Gnetum female	Each one(1)
Wet Specimens	Agaricus, Volvox, Cone of Selaginella, Lycopodium, Riccia, Marchantia, Anthoceros, Funaria, Pogonatum	Each two(2)
Fossil slides	Glossopteris, Carboniferous fossil, Stigmaria, Lepidodendron, Lepidocarpon, Miadesmia	Each one(1)