

Standard List of Science Laboratory Equipment, Glassware & Chemicals for Middle Secondary School

Glassware

Subject: Biology

Sl. #	Items	Qty.
1	Beakers:	
	– 500ml	15 nos.
	– 100 ml	15 nos.
	– 250 ml	15 nos.
2	Bell jar (with opening at the top and side tube)	2 nos.
3	Capillary tubes (assorted)	3 pkts
4	Evaporating dish (80x45)	10 nos.
5	Funnel (100 mm)	15 nos.
6	Glass rod	30 nos.
7	Ganong's potometer	10 nos.
8	Measuring cylinder:	
	– 100ml	10 nos.
	– 500ml	10 nos.
9	Microscope slide	4 pkts.
10	Microscope slide cover	4 pkts.
11	Reagent bottles with stoppers:	
	– 250ml	10 nos.
	– 500ml	10 nos.
12	Specimen jar with covers (220x195x80)	24 nos.
13	Test tube 15 mm x 125 mm	300 nos.
	Test tube 25 mm x 150 mm	200 nos.
	Test tube 12 mm x 100 mm	200 nos.
14	Single distillation plant 1.5 ltr per hour. All glass, with built in heater horizontal type (including installation & training)	1 set
15	Visking tubing	10 nos.

Subject: Chemistry

Sl. #	Items	Qty.
1	Beakers:	
	– 250ml	40 nos.
	– 500ml	40 nos.
2	Burette (50ml)- straight bore stopcock, accuracy as per Class A of I.S. 1997: 1982, with work certificate	10 nos.
3	Conical flask:	
	– 500 ml	24 nos.
	– 250ml	24 nos.

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4	Delivery tube (assorted, glass)	20 nos.
5	Dessicator (medium)	2 nos.
6	Drying tower	2 nos.
7	Evaporating dish (80x45)	15 nos.
8	Flat bottom flask:	
	– 500ml	10 nos.
	– 250ml	10 nos.
9	Funnel (50mm)	24 nos.
	Funnel (100mm)	15 nos.
10	Gas jar (with cover, small)	10 nos.
11	Glass tube (8mm)	4 kgs
12	Glass trough (15x30cm)	2 nos.
13	Glass rod (6mm)	2 kg
14	Kipps aparatus (500ml)	1 set
15	Measuring cylinder:	
	– 100ml	10 nos.
	– 500ml	10 nos.
	– 1000ml	10 nos.
16	Pipette – 25ml	6 nos.
17	Reagent bottles with stopper:	
	– 250ml	20 nos.
	– 500ml	20 nos.
18	Round bottom flask: 250ml	20 nos.
	– 500ml	20 nos.
19	Separating funnel (250ml)	4 nos.
20	Test tube 15 mm x 125 mm	300 nos.
	Test tube 25 mm x 150 mm	300 nos.
	Test tube 12 mm x 100 mm	300 nos.
21	Thistle funnel (small)*	30 nos.
22	U tube (small, glass)	15 nos.
23	Volumetric flask – 500 ml Class A with work certificate	10 nos.
24	Volumetric flask – 250 ml Class A with work certificate	10 nos.
25	Watch glass (100mm diameter)	30 nos.
26	Water bottle 500 ml	20 nos.
27	Weighing bottle (15ml, 25x60)	5 nos.
28	Wolf bottle (500ml)	5 nos.
29	Bottle aspirator with interchangeable stopper & stop cock 2000 ml	3 nos.

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Subject: Physics

Sl. #	Items	Qty.
1	Beaker:	
	– 200ml	15 nos.
	– 250ml	15 nos.
	– 500ml	15 nos.
2	Capillary tubes (assorted size)	2 pkts
3	Glass rod (6mm)	1 kg.
4	Glass slab (600x400)	12 nos.
5	Glass tube (8mm)	1 kg
6	Measuring cylinder:	
	– 25ml	10 nos.
	– 100ml	15 nos.
	– 200ml	15 nos.
	– 1000ml	10 nos.
7	Specific gravity bottle	12 nos.