

ADMIRATLY SECONDARY SCHOOL

PRELIMINARY PRACTICAL EXAM 2024
PURE CHEMISTRY
PREPARATORY INSTRUCTIONS FOR LABORATORY STAFF
CONFIDENTIAL

Great care should be taken that any confidential information given does not reach candidates either directly or indirectly.

Subject/Code/Paper: Chemistry 6092/3

Total number of candidates for this paper is 34 (Lyra 6) & 16 (Lyra 7) = 60.

Please prepare at least 65 sets.

Shift 1: 20 students (Computer Lab 2)

Shift 2: 20 students (Computer Lab 2)

Shift 3: 20 students (Computer Lab 2)

Please complete parts A and B where applicable.

A) Apparatus / Materials:

Items to be supplied by the Centre (per set per candidate unless otherwise specified)

S/No	Items (Apparatus / Material)	Quantity	Remarks
1	Solution P (0.5 mol/dm ³ sulfuric acid)	1 bottle (capacity 250 cm ³)	Labelled as P
2	Solution Q (1.2 mol/dm ³ sodium hydroxide)	1 bottle (capacity 250 cm ³)	Labelled as Q
3	Solid C Copper(II) carbonate	1 small vial (capacity 20 cm ³)	Labelled as C
4	Solution X (calcium nitrate)	1 small vial (capacity 20 cm ³)	Labelled as X
5	Solution Y (sodium carbonate)	1 small vial	Labelled as Y

S/No	Items (Apparatus / Material)	Quantity	Remarks
		(capacity 20 cm ³)	
6	Aqueous sodium hydroxide	1 bottle	Bench reagent
7	Aqueous ammonia	1 bottle	Bench reagent
8	Barium Nitrate	1 bottle	
9	Silver nitrate	1 bottle	
10	Hydrochloric Acid (1mol/dm ³)	1 bottle	Bench reagent
11	Nitric Acid (1mol/dm ³)	1 bottle	Bench reagent
12	Sulfuric Acid (1mol/dm ³)	1 bottle	Bench reagent
13	Limewater	1 bottle	Bench reagent
14	Aluminium foil	3	
15	distilled water	1	
16	Burette (50cm ³)	1	
17	Burette stand and clamp	1	
18	Pipette (25cm ³)	1	
19	Pipette filler	1	
20	White tiles	1	
21	Filter Funnel	1	
22	Filter paper	2	
23	Delivery tube (that fits test-tube)	1	
24	Delivery tube (that fits boiling test-tube)	1	
25	Wooden splints	2	
26	Red and blue litmus paper	2 each	
27	Bunsen burner	1	
28	Lighter	1	
29	Goggles	1	
30	Plastic dropper	6	
31	Glass rod	1	
32	Boiling tube	1	
33	Test tubes	6	
34	Test-tube rack	1	
35	Test-tube holder	1	
36	Test-tube brush	1	
37	Kitchen paper towels	2	Have extra roll on teacher's table
38	Measuring cylinder (25ml)	1	

S/No	Items (Apparatus / Material)	Quantity	Remarks
39	Measuring cylinder (50ml)	1	
40	Thermometer	1	
41	Styrofoam cup	1	
42	Beaker (250ml)	1	
43	Marker pen	1	
44	Electronic balance	1	4 students to share one if there are insufficient

B) Additional Instructions to Laboratory Staff / Subject Supervisor / Invigilator

1. All standard reagents not mentioned above would be available to candidates at students bench.
2. Additional samples labelled **P**, **Q**, **C**, **X** and **Y** should be available on teachers' bench. Cloths or tissues should be available in case of spillages.
3. Additional apparatus and materials on stand-by should be available at the teacher's bench.