

**NAGALAND BOARD OF SCHOOL EDUCATION, KOHIMA**

**B. LIST OF MINIMUM MATERIALS/SPECIMENS/CHEMICALS FOR PRACTICALS/ACTIVITIES IN SCIENCE**

Sl.no.	Equipments/Apparatus
1.	Common salt/sugar
2.	Distilled water
3.	Ferrous sulphide
4.	Sulphuric acid
5.	Chalk pieces
6.	Carbon disulphide
7.	Iron filings
8.	Sulphur
9.	Lead nitrate
10.	Copper sulphate solution
11.	Magnesium ribbon
12.	Zinc pieces
13.	Solid ammonium chloride
14.	Sodium sulphate solution
15.	Barium chloride solution
16.	Hydrochloric acid
17.	Brass bob
18.	Glycerine
19.	Methylene blue stain
20.	Nitric acid
21.	Potassium iodide solution
22.	Bromine water
23.	Carbon Tetrachloride
24.	Neutral litmus solution
25.	Sodium hydroxide
26.	Ammonium hydroxide
27.	Ethyl alcohol
28.	Acetic acid
29.	Acetone
30.	Potash alum
31.	Hydrated copper sulphate
32.	Benzoic acid
33.	Universal indicator
34.	BDH Universal indicator
35.	Sodium acetate
36.	Ammonium chloride
37.	Ferric chloride
38.	Potassium chloride
39.	Cobalt nitrate
40.	Hydrated oxalic acid
41.	Sodium oxalate
42.	Phenolphthalein
43.	Sodium carbonate
44.	Methyl orange
45.	Calcium carbonate
46.	Ferrous sulphate
47.	Calcium hydroxide
48.	Cuprous chloride
49.	Calcium bicarbonates
50.	Ferrous/Ferric
51.	Magnesium
52.	Platinum wire
53.	Barium chloride
54.	Magnesium sulphate
55.	Barium carbonate
56.	Potassium Iodide
57.	Chlorine
58.	Calcium chloride
59.	Methyl alcohol

60.	Phenol
61.	Hydrogen peroxide
62.	Potassium nitrite
63.	Zinc sulphate
64.	Ammonium sulphide
65.	Methylate spirit
66.	Glacial acetic acid
67.	Ceric ammonium nitrate
68.	Acetyl chloride
69.	Ammonia
70.	Manganese dioxide
71.	Hydrogen bromide
72.	Hydrogen Iodide
73.	Hydrogen sulphide
74.	Phosphoric acid
75.	Copper hydroxide
76.	Manganese hydroxide
77.	Zinc hydroxide
78.	Magnesium hydroxide
79.	Aluminium hydroxide
80.	Ferric hydroxide
81.	Methanol
82.	Formaldehyde
83.	Potassium hydrogen phosphate
84.	Potassium bromide
85.	Spirogyra filaments
86.	Permanent slides of plant tissues- a. Parenchyma b. Collenchyma c. Sclerenchyma
87.	Permanent slides of animals tissues- a. striated muscles a. nerve fibre c. blood
88.	Fresh or preserved specimens of- a. <i>Opuntia</i> (prickly pear) b. <i>Asparagus</i> c. <i>Euphorbia</i> d. <i>Argemone</i> (prickly poppy)
89.	Fresh or preserved specimens of- a. Mustard plant ( <i>Brassica</i> ) b. Pea plant ( <i>Pisum</i> )
90.	Fresh or preserved specimens of- a. <i>Hydrilla</i> b. <i>Vallisneria</i> c. <i>Eichhornia</i> d. <i>Nymphaea</i>
91.	Specimens for external structural adaptations- a. Terrestrial – cockroach b. Aquatic- fish, prawn c. Amphibian- toad, frog d. Reptilian – lizard, chameleon e. Aerial – birds f. Burrowing- mole, rat, earthworm

**Quantity/number required for 20 students**

All chemicals (solid) - 250 gms

All chemicals (liquid) – 1000 ml

Specimens/permanents slides- min 3 each