

**DELHI PUBLIC SCHOOL - NACHARAM****CHEMISTRY LAB REQUISITION FOR THE  
ACADEMIC YEAR 2018 - 2019****CHEMICALS**

| <b>S.NO.</b> | <b>MATERIALS REQUIRED</b> | <b>QUANTITY</b> | <b>TOTAL NO</b> |
|--------------|---------------------------|-----------------|-----------------|
| 1            | Ammonium carbonate        | 500gms          | 2               |
| 2            | Ammonium chloride         | 500gms          | 4               |
| 3            | Aluminium bromide         | 500gms          | 2               |
| 4            | Aluminium sulphate        | 500gms          | 2               |
| 5            | Calcium acetate           | 500gms          | 1               |
| 6            | Cupric sulphate           | 500gms          | 6               |
| 7            | Hydrogen peroxide         | 500gms          | 4               |
| 8            | Ferrous sulphate          | 500gms          | 6               |
| 9            | Lead nitrate              | 250gms          | 4               |
| 10           | Nickel carbonate          | 500gms          | 1               |
| 11           | Sodium carbonate          | 500gms          | 4               |
| 12           | Sodium hydroxide pellets  | 500gms          | 8               |
| 13           | Cobaltous chloride        | 100gms          | 6               |
| 14           | Cobalt nitrate            | 100gms          | 6               |
| 15           | Copper metal turnings     | 500gms          | 2               |
| 16           | Cuprous iodide            | 500gms          | 1               |
| 17           | Dimethyl glyoxime         | 100gms          | 5               |
| 18           | Ferric chloride           | 500gms          | 2               |
| 19           | Hydrogen sulphide         | 500gms          | 6               |
| 20           | Iodine solution           | 500ml           | 4               |
| 21           | Lead dioxide              | 500gms          | 8               |
| 22           | Manganese dioxide         | 500gms          | 8               |
| 23           | Bayers reagent            | 100ml           | 16              |
| 24           | Potassium chromate        | 500gms          | 2               |
| 25           | Potassium ferro cyanide   | 500gms          | 2               |
| 26           | Potassium iodide          | 500gms          | 4               |
| 27           | Ammonium dichromate       | 500gms          | 2               |
| 28           | Iodine crystals           | 200gms          | 1               |
| 29           | Tollens reagent           | 125ml           | 6               |
| 30           | Sodium nitro pruside      | 100gms          | 3               |
| 31           | Zinc ( small granules)    | 500gms          | 1               |
| 32           | Iron fillings             | 500gms          | 2               |
| 33           | Aluminium dust / powder   | 500gms          | 4               |
| 34           | Acetone                   | 500ml           | 2               |
| 35           | Benzoic acid              | 500ml           | 2               |
| 36           | Benedicts reagent         | 500ml           | 2               |

| S.NO. | MATERIALS REQUIRED           | QUANTITY | TOTAL NO |
|-------|------------------------------|----------|----------|
| 37    | Diethyl ether                | 500ml    | 2        |
| 38    | Ethyl alcohol                | 500ml    | 6        |
| 39    | Fehlings 1 solution          | 500ml    | 2        |
| 40    | Fehlings 2 solution          | 500ml    | 2        |
| 41    | meta Dinitro benzene         | 500ml    | 2        |
| 42    | Phenol                       | 500ml    | 2        |
| 43    | Propan 1 ol                  | 500ml    | 2        |
| 44    | Propan 2 ol                  | 500ml    | 2        |
| 45    | Sodium nitrite               | 500gms   | 1        |
| 46    | Ammonium ferrous sulphate    | 500gms   | 4        |
| 47    | Oxalic acid                  | 500gms   | 6        |
| 48    | Starch (soluble)             | 500gms   | 2        |
| 49    | Surgical spirit              | 500ml    | 16       |
| 50    | Glacial Acetic acid          | 500ml    | 6        |
| 51    | Hydrochloric acid            | 500ml    | 10       |
| 52    | Sulphuric acid               | 500ml    | 20       |
| 53    | Lime water                   | 500ml    | 6        |
| 54    | Filter papers                | -        | 30       |
| 55    | Red litmus solution          | 125ml    | 4        |
| 56    | Blue litmus solution         | 125ml    | 4        |
| 57    | Red litmus paper             | big box  | 2        |
| 58    | Blue litmus paper            | big box  | 2        |
| 59    | pH paper                     | big box  | 2        |
| 60    | Di sodium hydrogen phosphate | 500gms   | 2        |
| 61    | Magnason reagent             | 500ml    | 6        |
| 62    | Cupric acetate               | 500 gms  | 4        |

#### APPARATUS & OTHERS

| S.NO. | MATERIALS REQUIRED            | QUANTITY | TOTAL NO |
|-------|-------------------------------|----------|----------|
| 63    | Pipettes                      | 20 ml    | 20       |
| 64    | Glass jar / Reagent bottle    | 5 L      | 2        |
| 65    | Glass jar / Reagent bottle    | 2 L      | 2        |
| 66    | Glass rods                    | big size | 3        |
| 67    | Measuring cylinders (plastic) | 1 L      | 2        |
| 68    | Measuring cylinders (plastic) | 50 ML    | 30       |
| 69    | Reagent bottles               | 250 ml   | 80       |
| 70    | Chemical resistant trays      | big size | 5        |
| 71    | China dish                    | -        | 1 box    |
| 72    | Beakers (plastic)             | 1 L      | 4        |
| 73    | Beakers (plastic)             | 500 ml   | 4        |
| 74    | Petri dish                    | -        | 24       |

| S.NO. | MATERIALS REQUIRED                 | QUANTITY      | TOTAL NO  |
|-------|------------------------------------|---------------|-----------|
| 75    | Distilled water                    | 5 L           | 4         |
| 76    | Test tubes                         | 27 ml         | 200       |
| 77    | Test tube brush                    | -             | 50        |
| 78    | Standard flask                     | 250 ml        | 40        |
| 79    | Funnel (plastic)                   | 100 mm        | 6         |
| 80    | Funnel (plastic)                   | 75 mm         | 40        |
| 81    | Beakers (plastic)                  | 250 ml        | 40        |
| 82    | Tongs                              | -             | 12        |
| 83    | Beakers (glass)                    | 100 ml        | 2 box     |
| 84    | Wire gauge                         | -             | 3 box     |
| 85    | Rubber corks                       | big           | 20        |
| 86    | Mercury Thermometers               | celsius scale | 30        |
| 87    | Copper water baths                 | -             | 8         |
| 88    | pH chart                           | -             | 2         |
| 89    | Modern Periodic Classification     | -             | 2         |
| 90    | Chromatography paper               | -             | 20 sheets |
| 91    | Universal indicator                | 125 ml        | 20        |
| 92    | Labels book (with names)           | -             | 2         |
| 93    | Labels book (without names)        | -             | 6         |
| 94    | Chart display holders/hangers      | long          | 2         |
| 95    | Handy Fire Extinguisher            | -             | 2         |
| 96    | Apparatus cleaning liquid          | 500 ml        | 10        |
| 97    | Lab coat with full sleeves (white) | 34 size       | 2         |
| 98    | Lab coat with full sleeves (blue)  | 36 size       | 2         |
| 99    | Acid resistant gloves              | -             | 8 pairs   |
| 100   | Mask (for Nose & mouth)            | -             | 6         |
| 101   | Eye protective glasses / specs     | -             | 2         |