

## DEPARTMENT OF GEOLOGY

### List of apparatus

| SN | NAME OF APPARATUS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | QUANTITY |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| 1  | Polarizing binocular microscope                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 15       |
| 2  | 3MP camera for microscope                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 01       |
| 3  | Thin section of rockes (set of 20 slide)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 01       |
| 4  | Thin section of minerals ( set of 20 slide)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 01       |
| 5  | Polished section of ore minerals( set of 10)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 01       |
| 6  | Collection of 40 rocks 3'' size in wooden box                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 01       |
| 7  | Collection of 15 igneous rocks 3'' in wooden box                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 01       |
| 8  | Collection of 15 sedimentary rocks 3'' in wooden box                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 01       |
| 9  | Collection of 15 metamorphic rocks 3'' in wooden box                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 01       |
| 10 | Collection of 10 rock forming minerals 3''in wooden box                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 01       |
| 11 | Collection of 40 minerals 3'' in wooden box                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 01       |
| 12 | Minerals crystal collection set of 15                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 01       |
| 13 | Gems collection set of 20                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 01       |
| 14 | 3-D raised models of geology-set of 24                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 01       |
| 15 | Fiber glass models-set of 24                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 01       |
| 16 | Chisel hammer geologist                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 10       |
| 17 | Pointed hammer geologist                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 10       |
| 18 | Brunton compass                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 10       |
| 19 | Clinometers                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 10       |
| 20 | Goniometer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 20       |
| 21 | Sample tray 10x8cm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 250      |
| 22 | Glass plate for hardness testing                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
| 23 | Hand lens                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 20       |
| 24 | Streak plate,glass plate, copper plate,iron plate,garnet plate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 20       |
| 25 | Pocket knife                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 20       |
| 26 | Round magnet                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 20       |
| 27 | Mohs hardness scale test set                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 20 set   |
| 28 | Rock specimens 4'' size-Adensite(I),Anthrasite(M),Basalt(I),Breccia(S), Chlorite Shisht (M), Diatomite (S), Diorite (I), Dolerite (I), Dolomite (S), Flint (S) (Gem Stone), Gabbro (I), Granite Black (I), Granite Phorphery (I), Granite Red (I), Granite White (I), 30 Marble Black (M), Marble Chocolate (M), Marble Green (M) 33 Marble Pink (M), Marble White (M), Marble Yellow (M), Mica Schist (M), Mud Stone (S), Obsidian Black (I) Gem, Obsidian Green (I), Pegmatite (I),Pegmatite Mica (M), Phyllite (M), Pumice Gray (I), Quartzite Black (M), Quartzite Gray (M), Quartzite Green (M),Quartzite Pink (M), Quartzite White (M), Quartzite Yellow, 51 Rock Phosphate (S) Rock Salt (S), Sand Stone Red (S),Sand Stone Siliceous (S), Sand Stone Spotted (S) Serpentine (M), Shale (S), Slate (M), Syenite (I), Talc Shisht (M), Tiger Eye (M) (Gem), Trachyte (I) | 01 Set   |
| 29 | Minerals specimens 4'' size- Agate (Gem Stone), Alabaster, Alum, Amazonite, Amethyst                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 01 set   |

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|    | (Gem Stone),Apatite, Asbestos,Aventurine (Gem Stone), Azurite, Barytes (Heavy Spar),Bauxite Hard, Bentonite, Beryl (Gem Stone), Biotite, Borax, Boron, Calcite Milky, Calcite Transparent, 21 Chalcedony (Gem Stone),Chalcopyrite, China Clay,Chromite,Coquina Jesper,Corundum (Gem Stone), Cuprite Greenish, Dolomite, Emery, Fancy Agate, Feldspar Green, Feldspar Pink, Feldspar Red,Feldspar White, Fire Clay, Fluorite (Gem Stone), Garnet Balls (Gem), Graphite, Jasper Green (Gem), Jasper Red (Gem Stone), Kyanite (Gem Stone),Kyanite with Quartz, Lapis Lazuli (Gem Stone), 75 Quartz Black,Quartz Crystal (Gem), Quartz Glassy (Gem), Quartz Green, Quartz Milky, Quartz Red, Quartz Rose, Quartz Smoky, Quartz Yellow, Tourmaline Black (Gem) |        |
| 30 | Ore specimens 4''size- Asbestos (Mg), Bauxite (Al), Beryl (Be),Borax (Na), Calcite (Ca), Chalcocite (Cu), Chalcopyrite (Cu),Chromite (Cr), Corundum (Al), Dolomite (Mg), Feldspar (Al) (K), Galena (Pb), Gypsum (Ca), Hematite (Fe), Iron Pyrite (Fe), Laterite (Al & Fe),Lime Stone (Ca), Magnesite (Mg), Magnetite (Fe), Psilomelane (Mn), Pyrolusite (Mn), Rock Salt (Na), Salt Petre (Na),Sphalerite (Zn), Stibnite (Pb)                                                                                                                                                                                                                                                                                                                              | 01 set |