

| List of Equipments in Physics Department |                                     |           |     |          |
|--|-------------------------------------|-----------|-----|----------|
| S.N.                                     | APPARATUS/PRACTICAL NAME            | HEAD/FUND |     | QUANTITY |
|  |                                     | GOVT.     | UGC |          |
| 1  | Audio frequency generator           | 1         | 2   | 3        |
| 2  | Ammeter                             | 2         | 1   | 3        |
| 3  | Anderson bridge                     | 1         | -   | 1        |
| 4  | Band gap                            | 1         | -   | 1        |
| 5  | Bi-prism                            | 1         | -   | 1        |
| 6  | Optical bench                       | 1         | -   | 1        |
| 7  | Bridge type microscope              | 1         | -   | 1        |
| 8  | B. H. curve apparatus               | 1         | -   | 1        |
| 9  | Charging & discharging              | 3         | -   | 3        |
| 10                                       | Laurent half shed                   | 1         | -   | 1        |
| 11                                       | Calcite prism                       | 1         | -   | 1        |
| 12                                       | Diode & zener diode                 | 3         | -   | 3        |
| 13                                       | Diffracting grating                 | 3         | 3   | 6        |
| 14                                       | DC millimeter                       | 4         | -   | 4        |
| 15                                       | Gas regulator & cylinder            | 01-Jan    | -   | 01-Jan   |
| 16                                       | Impedance difference frequency      | 1         | -   | 1        |
| 17                                       | Light reflecting unit               | 2         | -   | 2        |
| 18                                       | Laser light                         | 2         | -   | 2        |
| 19                                       | Millikan's oil drop method          | 1         | -   | 1        |
| 20                                       | Micrometer slit                     | 1         | -   | 1        |
| 21                                       | Millimeter volt meter               | 2         | -   | 2        |
| 22                                       | Magnetic needle                     | 2         | -   | 2        |
| 23                                       | Magnetic glass                      | 1         | -   | 1        |
| 24                                       | Power supply electro sonically      | 1         | -   | 1        |
| 25                                       | Plano convex lens (for N.R.)        | 2         | -   | 2        |
| 26                                       | Plane convex lens (for N.R.)        | 2         | -   | 2        |
| 27                                       | Ripple factor of power supply       | 1         | -   | 1        |
| 28                                       | Rayleigh bridge for self inductance | 1         | -   | 1        |
| 29                                       | Searl's thermal conductivity        | 1         | -   | 1        |

*Dalbir*

|    |                                     |    |   |    |
|----|-------------------------------------|----|---|----|
| 30 | Study of CR circuit                 | 1  | - | 1  |
| 31 | Series & parallel resistance        | 1  | - | 1  |
| 32 | Standard micrometer eyepieces       | 1  | - | 1  |
| 33 | Regulated power supply              | 2  | - | 2  |
| 34 | Sodium vapor lamps wooden box       | 2  | - | 2  |
| 35 | Sodium vapor lamp transformer       | 1  | - | 1  |
| 36 | Study of LCR circuit                | 1  | - | 1  |
| 37 | Transistor characteristics          | 2  | - | 2  |
| 38 | Thyratron characteristics           | 2  | - | 2  |
| 39 | Thermocouple                        | 1  | - | 1  |
| 40 | Unregulated power supply            | 1  | - | 1  |
| 41 | Voltmeter                           | 2  | - | 2  |
| 42 | Wave by CRO                         | 1  | - | 1  |
| 43 | AC voltmeter                        | 5  | - | 5  |
| 44 | AC millimeter                       | 1  | - | 1  |
| 45 | AF generator                        | 1  | - | 1  |
| 46 | Analyzing and polarizing with stand | 1  | - | 1  |
| 47 | Bar pendulum                        | 2  | - | 2  |
| 48 | Bending of beam apparatus           | 2  | - | 2  |
| 49 | Ballistic galvanometer              | 1  | 2 | 3  |
| 50 | Battery charger                     | 1  | - | 1  |
| 51 | Battery eliminator                  | 5  | - | 5  |
| 52 | Carry fast bridge                   | 2  | - | 2  |
| 53 | Convex lens                         | 8  | - | 8  |
| 54 | Convex lens                         | 23 | - | 23 |
| 55 | Charge and discharge key            | 1  | - | 1  |
| 56 | Calendar and bands apparatus        | 2  | - | 2  |
| 57 | d.c. voltmeter                      | 7  | 3 | 10 |
| 58 | d.c. ammeter                        | 5  | 3 | 8  |
| 59 | Diode characteristic apparatus      | 3  | - | 3  |

*Dalbir*

|    |                                 |   |   |    |
|----|---------------------------------|---|---|----|
| 60 | Deflection magnetometer         | 2 | 4 | 6  |
| 61 | Drilling board                  | 4 | - | 4  |
| 62 | Denial cell                     | 6 | - | 6  |
| 63 | Digital multimeter              | 1 | - | 1  |
| 64 | Electrical vibrator             | 1 | - | 1  |
| 65 | Fly wheel                       | 2 | - | 2  |
| 66 | Glass prism                     | 1 | - | 1  |
| 67 | Glass slab                      | 7 | - | 7  |
| 68 | Gauge's apparatus               | 1 | - | 1  |
| 69 | Hollow glass prism              | 1 | - | 1  |
| 70 | Light resistance apparatus      | 1 | - | 1  |
| 71 | Helmholtz galvanometer          | 1 | - | 1  |
| 72 | Holographic deflecting gratting | 1 | - | 1  |
| 73 | Katter's pendulum               | 2 | - | 2  |
| 74 | Lechlunche cell                 | 3 | - | 3  |
| 75 | Lee's and chariston apparatus   | 2 | - | 2  |
| 76 | Lamp and scale outfit apparatus | 1 | - | 1  |
| 77 | Magnet bar                      | 2 | - | 2  |
| 78 | Meter scale                     | 8 | - | 8  |
| 79 | Meter bridge                    | 2 | - | 2  |
| 80 | Maxwell's needle                | 2 | - | 2  |
| 81 | Medal's experiment apparatus    | 2 | - | 2  |
| 82 | Ni - Fe cell                    | 4 | 6 | 10 |
| 83 | Newton's ring                   | 1 | - | 1  |
| 84 | Optical bench                   | 4 | - | 4  |
| 85 | Optical slit                    | 1 | - | 1  |
| 86 | Overhead projector              | 1 | - | 1  |
| 87 | potentiometer                   | 3 | 1 | 4  |
| 88 | Post office box                 | 2 | - | 2  |
| 89 | Pointer galvanometer            | 7 | 6 | 13 |
| 90 | Plug key ( _one way)            | 6 | 6 | 12 |
| 91 | Plug key (two way)              | 6 | 6 | 12 |
| 92 | Plug key (three way)            | 1 | - | 1  |
| 93 | Plug key (four way)             | 5 | - | 5  |
| 94 | Power factor operator           | 1 | - | 1  |

*Deliver*

|     |                                    |    |    |    |
|-----|------------------------------------|----|----|----|
| 95  | Power supply operator              | 1  | 2  | 3  |
| 96  | Physical weight box                | 1  | 4  | 5  |
| 97  | Photo cell                         | 1  | -  | 1  |
| 98  | Rheostat                           | 7  | 17 | 24 |
| 99  | Reversing key                      | 4  | -  | 4  |
| 100 | Resonance apparatus                | 2  | -  | 2  |
| 101 | Reading telescope                  | 2  | -  | 2  |
| 102 | Resistance box                     | 12 | -  | 12 |
| 103 | Resistance coil                    | 4  | -  | 4  |
| 104 | Rubber paid                        | 2  | -  | 2  |
| 105 | Sono meter                         | 1  | -  | 1  |
| 106 | Slatted weight                     | 2  | 9  | 11 |
| 107 | Stop watch                         | 19 | 5  | 24 |
| 108 | Screw gage                         | 2  | 11 | 13 |
| 109 | Spectrometer                       | 2  | 2  | 4  |
| 110 | Searl's apparatus                  | 2  | -  | 2  |
| 111 | Simple pendulum                    | 1  | -  | 1  |
| 112 | Steam boiler                       | 2  | 1  | 3  |
| 113 | Sprit level                        | 1  | -  | 1  |
| 114 | Study of series resonance          | 1  | -  | 1  |
| 115 | Study of variation                 | 1  | -  | 1  |
| 116 | Spectrometer Prism                 | 2  | -  | 2  |
| 117 | Sodium vapour lamp                 | 2  | -  | 2  |
| 118 | Stop clock                         | 3  | -  | 3  |
| 119 | Tangent galvanometer               | 3  | 3  | 6  |
| 120 | Travelling microscope              | 3  | -  | 3  |
| 121 | Tuning fork                        | 2  | -  | 2  |
| 122 | Thermometer                        | 5  | 5  | 10 |
| 123 | Tapping key                        | 1  | 2  | 3  |
| 124 | Transistor char. App.              | 1  | -  | 1  |
| 125 | Triode char. App.                  | 2  | -  | 2  |
| 126 | Vernire calipers                   | 4  | 8  | 12 |
| 127 | Vibration magnetometer             | 1  | 3  | 4  |
| 128 | Clement and Desorm's app.          | -  | 1  | 1  |
| 129 | Calander and Barner app.           | -  | 1  | 1  |
| 130 | Fresnel's biprism                  | -  | 1  | 1  |
| 131 | High resistance and leakage method | -  | 1  | 1  |

*Qulhu*

|     |   |   |           |   |
|-----|---|---|-----------|---|
| 132 | Inertial Table                          | - | 1         | 1 |
| 133 | Multi meter                             | - | 1         | 1 |
| 134 | Millimetre                              | - | 2         | 2 |
| 135 | Polarimetre                             | - | 1+1(RUSA) | 2 |
| 136 | Polaridesgradulated                     | - | 1         | 1 |
| 137 | Poisuellites viscosity app.             | - | 1         | 1 |
| 138 | Poisson ratio of rubber tube            | - | 1         | 1 |
| 139 | Rayleighgean's key                      | - | 2         | 2 |
| 140 | Stefan's constant                       | - | 1         | 1 |
| 141 | Self-inductor                           | - | 1         | 1 |
| 142 | Step down transformer                   | - | 1         | 1 |
| 143 | Tetrode cha. App.                       | - | 1         | 1 |
| 144 | Viscosity of a transparent viscous app. | - | 1         | 1 |
| 145 | V.T.V.M. Omega                          | - | 1         | 1 |
| 146 | Absorption wave meter                   | - | 2         | 2 |
| 147 | Balance                                 | - | 1         | 1 |
| 148 | Cadmium                                 | - | 1         | 1 |
| 149 | Crown prism                             | - | 2         | 2 |
| 150 | C. R. O.                                | - | 1         | 1 |
| 151 | Combination spring app.                 | - | 1         | 1 |
| 152 | Decode audio frequency                  | - | 1         | 1 |
| 153 | Decode resistance box                   | - | 2         | 2 |
| 154 | Dielectric constant app.                | - | 1         | 1 |
| 155 | Field effect transistor                 | - | 1         | 1 |
| 156 | Galvanometer                            | - | 1         | 1 |
| 157 | Heartly oscillator                      | - | 1         | 1 |
| 158 | Hystresis loss by CRO                   | - | 1         | 1 |
| 159 | Head phone                              | - | 3         | 3 |
| 160 | Heartley oscillator (DICA)              | - | 1         | 1 |

*Debban*

|     |   |    |   |   |
|-----|---|----|---|---|
| 161 | Magnetic field app.                       | -- | 1 | 1 |
| 162 | Metronome MN                              | -  | 1 | 1 |
| 163 | Newton's law of cooling                   | -  | 1 | 1 |
| 164 | Optical slit                              | -  | 2 | 2 |
| 165 | Oscillator                                | -  | 3 | 3 |
| 166 | Planck's constant by solar cell           | -  | 1 | 1 |
| 167 | Regulated power supply                    | -  | 1 | 1 |
| 168 | Searl's thermal conducting app.           | -  | 1 | 1 |
| 169 | Spectra of hydrogen by Rydberg's constant | -  | 1 | 1 |
| 170 | Travelling microscope(N.R.)               | -  | 1 | 1 |

*Debra*

## List of Equipments in Botany Departments

| SN | Instruments                | Quantity |
|----|----------------------------|----------|
| 1  | Laminar Flow               | 1        |
| 2  | L.C.D. Projecter           | 1        |
| 3  | White Board                | 1        |
| 4  | Smart Board                | 1        |
| 5  | Oven                       | 1        |
| 6  | Refrigerator               | 1        |
| 7  | Incubator                  | 1        |
| 8  | Centrifugal Machine        | 1        |
| 9  | Microscope –<br>Compound   | 40       |
| 10 | Microscope –<br>Dissecting | 20       |
| 11 | Gainongs<br>Photometer     | 3        |
| 12 | Gainongs<br>Respirometer   | 2        |
| 13 | Wilmots bubbler            | 2        |

Jup  
Jitendra Poda  
(HOD Bot)

## List of Equipments in Chemistry Department

| S.No. | Name of Instruments                    | Qty. |
|-------|--|------|
| 1     | Shaker Machine                         | 2    |
| 2     | Centrifuge Machine                     | 2    |
| 3     | Water Bath                             | 2    |
| 4     | Oven                                   | 2    |
| 5     | Muffle Furnace                         | 1    |
| 6     | Polarimeter                            | 1    |
| 7     | Digital pH Meter                       | 8    |
| 8     | Digital Conductometer                  | 6    |
| 9     | Digital Turbidity meter                | 1    |
| 10    | Digital nephelometer                   | 1    |
| 11    | Calorimeter                            | 2    |
| 12    | G.M.Counter                            | 1    |
| 13    | Digital Spectrophotometer              | 1    |
| 14    | Melting Point Apparatus                | 10   |
| 15    | UV-Vis Spectrophotometer               | 1    |
| 16    | pH Meter (Pen Type)                    | 2    |
| 17    | TDS Meter (pen Type )                  | 2    |
| 18    | Digital Balance                        | 1    |
| 19    | Chemical Balance                       |      |
| 20    | Autoclave                              | 1    |
| 21    | Analytical Balance (High Precision)    | 1    |
| 22    | Flame Photometer with Compressor       | 1    |
| 23    | Digital Photo/Balanced Colorimeter     | 6    |
| 24    | Distillation Unit (Steel)              | 2    |
| 25    | Distillation Unit (Glass)              | 4    |
| 26    | Electrophoresis                        | 1    |
| 27    | Hot Plate                              | 4    |
| 28    | Microprocessor Based Spectrophotometer | 1    |
| 29    | Microprocessor Based Conductometer     | 1    |
| 30    | Microprocessor Based pH meter          | 1    |
| 31    | Microscope Trinocular                  | 2    |
| 32    | Potentiometer                          | 1    |
| 33    | Polarimeter                            | 1    |
| 34    | Image Capturing System                 | 2    |
| 35    | Membrane filtration assembly           | 1    |
| 36    | Induction cooker                       | 1    |
| 37    | Computer monitor                       | 1    |
| 38    | UPS                                    | 1    |
| 39    | Printer                                | 1    |
| 40    | CPU                                    | 1    |
| 41    | COMPUTER IN-BUILT                      | 1    |
| 42    | TDS Meter                              | 1    |
| 43    | Electrode                              | 2    |

*Dr. Anita Samin*

Dr. Anita Samin  
Chemistry Dept.



## List of Equipments in Zoology Department

| Sl. No. | Name of the Instrument/Specimen/Objects | Quantity   |
|---------|---|------------|
| 1       | Digital Electrophoresis                 | 1          |
| 2       | Digital PH Meter                        | 2          |
| 3       | Densito meter                           | 1          |
| 4       | Rotatory microtome                      | 3          |
| 5       | Rocking microtome                       | 3          |
| 6       | Electrical balance                      | 1          |
| 7       | Overhead projector                      | 1          |
| 8       | Haemocytometer                          | 10         |
| 9       | Haemoglobinometer                       | 15         |
| 10      | Heating mantles                         | 2          |
| 11      | Hot air oven                            | 4          |
| 12      | Refrigerator (Samsung)                  | 1          |
| 13      | Auto slide projector                    | 1          |
| 14      | Remi lab ceutrifuge                     | 2          |
| 15      | Ceutrifuge (Haemocrit)                  | 1          |
| 16      | Magnetic stirre                         | 1          |
| 17      | Digital stop clock                      | 1          |
| 18      | Chromatography cabinet                  | 1          |
| 19      | Elico digital colorimeter               | 1          |
| 20      | Slab gel Electrophoresis                | 1          |
| 21      | Mini compact gel Electrophoresis        | 1          |
| 22      | Microscope                              | 106        |
| 23      | Stop watch                              | 1          |
|         |   | <b>161</b> |

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