

# DEPARTMENT OF PHARMACOLOGY List Of Equipments

Sr. No.	Description	No. of Equipments
<b>1</b>	<b>STARLING LONG EXTENSION KYMOGRAPH</b>	<b>3</b>
	Standard full size kymograph for long paper designed on the lines of the original brodie instruments but with many improvements Fitted with 10 speed gear box, manometer, timer marker & AC time clock. The complete unit mounted on heavy stand with rack & pinion arrangement for up down movement of the kymograph unit.	
	with AC time clock	
<b>2</b>	<b>THE IDEAL RESPIRATION PUMP (500 CC CAP.)</b>	<b>3</b>
	This provide the artificial respiration during emergencies. The stop of the pump is adjusted before hand to give the correct tidal valume. It is fitted with 4 speed gear box for variation in rate of respiration. The volume of the respiration can be controlled through variable strock calibrated alarm. Fitted with motor. The complete unit mounted on metal platform with casters. Having capacity of 500 cc.	
<b>3</b>	<b>BRODI'S OPERATION TABLES</b>	<b>3</b>
	Made entirely from stainless steel, in two halves slopping towards the centre a small wedge over the whole length separates the two halves, under the wedge provided a brass drain pipe. Removable and replaceable by sliding IN or OUT blood and other fluids flow towards the centre of the table, from where these drip in to the drain pipe and carried through an end drain tube to the recepatable after operation the whole top can be washed clean the drain pipe removed, cleared and replaced the S. S. top is heated a set of electric lamps, placed to effect balanced heat distribution, dog holder with its S.S. upright slide along slot in the top useful for fixing accessories. A S.S. swing tray is fitted on a upright in one corner of the top useful for placing dissecting instruments accessories etc. Steel pipe frame handle and wheels for conscience in moving. Table top size 51"x18"x40" high.	
<b>4</b>	<b>INCUBATORS</b>	

	Standard double wall fabrication. Inner chamber made of out of richly anodized aluminium of highly polished stainless steel sheet and outer made out of thick mild steel sheet finished in white stoving enamel paint or mat finished pastel colour combinations. The gap is filled with special glass wool for temp. insulation Double wall door with double glass window for observation in the chamber. Temperature range 5° C above ambient to 80°C ± 2°C controlled by a thermostat L - shaped thermo meter is provided for taking temp. readings. Panel is provided with piolet lamps for mains& heaters,	
	on-off switch, temp. control' knob etc.The equipment is workable on 220 V AC 50 Hz single phase. Heating is achieved from 3 sides. Perforated removable shelves also provided.	
	<b>Aluminium CHAMBER SIZE:</b>	
	a}14"x14"x14"	<b>2</b>
<b>5</b>	<b>REFRIGERATORS - LAB REFRIGERATOR</b>	<b>2</b>
<b>6</b>	<b>PERFUSION ASSEMBLY APPARATUS - For Mammalian Heart</b>	<b>4</b>
	To maintain a mammalian heart beating outside the body, the heart must be placed in adequate conditions as regards oxygen supply, temp. and composition of the perfusion fluid. The Ringer Locke's solution with continuous budding of pure O2 through the fluid makes it suitable for the mammalian heart; the rabbit heart is most suitable for this experimental. The apparatus consist the parts means reservoir bottle, double unit organ bath with all accessories, mercury manometer, cannula, thermometer and two pulleys and starling heart lever. The complete unit mounted on heavy stand.	
<b>7</b>	<b>STANDARD POWER TABLE</b>	<b>3</b>
	With height 31"; top 28"x18"; table with castors. Motor ¼ H. P.with	
	having different speed driving pulley, giving a wide speed range to the gear box. 220 Volts 50 cycles, A.C.	
<b>8</b>	<b>ASSEMBLY FOR MAMMALIAN CLASSES -Double unit organ bath</b>	<b>4</b>
	A Perspex organ bath size 12"x9"x8" with fine thermostatic temperature control accuracy ± 1° C, stirrer, resting in metal frame; controlled by means of a fine adjustable thermostat with S.S. upright. complete with all accessories. Double set of glass inner vessels - 2 No, oxygen tubes - 2 No, Warming coils - 2 No,	

	Two stainless steel capillary levers 2 No, Stainless steel uprights with loss heads 4 No, X blocks 4 No.	
<b>9</b>	<b>ELECTRIC RECORDING DRUM - E- 8 MODEL</b>	<b>4</b>
	Electrical E - 8 Student Kymograph with special heavy duty motor, oil lapped gear systems, speeds from 0.12 mm/Sec. to 640 mm/sec in 8 steps, Jerk free running, instantaneous start & stop clutch, Stainless steel spindle with screw lift 15x15cm cylinder, with leveling Screws, pilot lamp, plug & cord.	
<b>10</b>	<b>MECHANICAL STIRRER</b>	<b>2</b>
<b>11</b>	<b>GADUM'S OUT- FLOW RECORDER - to work 4 V D.C.</b>	<b>2</b>
<b>12</b>	<b>CENTRIFUGE MACHINE</b>	
	A) 6 tube electrical	<b>2</b>
<b>13</b>	<b>COLORIMETER PHOTOELECTRIC - 8 Filter Digital Table</b> Top with auto 0 facility	<b>3</b>
<b>14</b>	<b>CANNULAS - DIFFERENT SIZE</b>	
	a) Syme's	<b>16</b>
	b) Venous	<b>16</b>
	c) Arterial	<b>16</b>
<b>15</b>	<b>CAUTERY MACHINE, ELECTRIC BLENDSONE</b>	
	A) Economy range - use for small animal	<b>1</b>
<b>16</b>	<b>VARNISHING OUTFIT</b>	<b>2</b>
	For long and short paper. Varnishing tray brass with foot lever, wall fixing model	
<b>17</b>	<b>FOUR UNIT ISOLATED ORGAN BATH</b>	<b>1</b>
	This bath designed for simultaneous record to be taken from any	
	no. of units up to four. The complete unit supplied with glass inner vessels, oxygen tube, warming coils, two stainless steel capillary levers, and S.S uprights & X blocks.	
<b>18</b>	<b>ANALGESIOMETER</b>	
	Available in following models:-	
	a) Tail Flick Type	<b>1</b>

	It provides pain stimulus by heated michrome wire in a Rat's tail to determine anagesic effect of drugs. Complete with one spare element to work on 220 Ac.	
<b>19</b>	<b>SMOKING BURNER</b>	
	a) Smoking stand- with turning handle, for all size of cylinder	<b>1</b>
<b>20</b>	<b>TRACEAL CANNULA METAL - Palmer E 76.</b>	<b>4</b>
<b>21</b>	<b>CONDONS DROP RECORDER - with 3 silver Spirals</b>	<b>1</b>
<b>22</b>	<b>PROF. INCHLEYS DROP RECORDER</b>	<b>1</b>
<b>23</b>	<b>ANIMAL WEIGHING MACHINE FOR SMALL ANIMAL</b>	
	A) Mechanical	<b>3</b>
<b>24</b>	<b>ANIMAL WEIGHING MACHINE FOR BIG ANIMAL</b>	
	A) Mechanical	<b>3</b>
<b>25</b>	<b>DISSECTION INSTRUMET BOX</b>	
	a) Economy range - Set of 17	<b>1</b>
<b>26</b>	<b>X - BLOCKS - Made of Brass.</b>	<b>5</b>
<b>27</b>	<b>HOOK GRIP RODS</b>	<b>5</b>
<b>28</b>	<b>PLAIN STAND</b>	<b>150</b>
<b>29</b>	<b>APPARATUS FOR ISOLATED RABBIT INTESTINE / SINGLE UNIT ORGAN BATH</b>	<b>150</b>
	Bath size 9"x6"x8". The complete unit supplied with stirrer, glass inner vessel, oxygen tube with writing lever and oxygen tube holder.	
<b>30</b>	<b>JACQUETS GRAPHIC CHRONOMETER</b>	<b>3</b>
<b>31</b>	<b>JACKSON'S ENTEROGRAPH</b>	<b>3</b>
<b>32</b>	<b>HAIR AESHESIOMETER Palmer W 290 - For test of touch van Frey's model a horse hair is carried in a graduated nickel holder.</b>	<b>3</b>
<b>33</b>	<b>LONG EXTENSION FOR PAPER - Palmer 130.</b>	<b>2</b>

34	<b>ANIMAL BALANCE TRIPPLE BEAM</b> - Weighing cap. 2610 gm with having cage for animal	2
35	<b>MANOMETER MERCURY</b> - Palmer C 200. A) with stand	6
36	<b>METRONOME - Palmer B - 5. - ELECTRONIC</b>	2
37	<b>ONCOMETER KIDNEY</b> - Made of Acrylic	2
38	<b>ONCOMETER HEART</b> - Made of Acrylic	2
39	<b>COPPER TRAYS</b> - Size10"X8"X1"	150
40	<b>THERMOMETER</b> - 110° C.	150
41	<b>DISTILLATION APPARATUS</b> Cap 4/5 ltr. per hr Made of S. S. joint less, wall hanging model. Electrical heated.	6
42	<b>MICROSCOPE ORDINARY / MEDICAL MICROSCOPE</b> Model Available:- <b>Inclined Monocular Microscope</b> - Work on 6 V-21 watt Halogen bulb with 10x, 45x & 100x Objective & 10xWF, 5x Hygenian eyes pieces, Co-axial mechanical stage, dust cover & packed in thermocol box	Order Placed
43	<b>CHEMICAL BALANCE</b> A) VARANASI make superior quality with weight box	2
44	<b>ANALYTICAL BALANCE</b> A) VARANASI make superior quality with weight box	2
45	<b>DISSECTION INSTRUMENT</b> a) Economy range - Set of 17	5
46	<b>PLETHYSMOGRAPH</b> - Mercury Type with stand without mercury	4
47	<b>PNEUMOGRAPH PALMER E. / STETHOGRAPH</b>	1
48	<b>PISTON RECORDER PALMER C 51</b> - (Float Recorder)	1

<b>49</b>	<b>TAMBOURS MAREYS PALMER</b>	
	Available in two Models :-	
	b) C.11	<b>4</b>
<b>50</b>	<b>TETANUS SET - PALMER H 20</b>	<b>1</b>
<b>51</b>	<b>STOP WATCHES</b>	
	a) Digital Model	<b>12</b>
<b>52</b>	<b>OXYGEN CYLINDER WITH TROLLEY - With stand &amp; regulator</b>	<b>Order Placed</b>
<b>53</b>	<b>CO2 CYLINDER WITH TROLLEY - With stand &amp; regulator</b>	<b>Order Placed</b>
<b>54</b>	<b>OPERATING LAMPS - single doom floor model</b>	<b>Order Placed</b>
<b>55</b>	<b>ANIMAL TROLLEY WITH 12 CAGES- Plastic cages with S.S. rack</b>	<b>Order Placed</b>
	<b><u>PHARMACY LABORATORY</u></b>	
<b>56</b>	<b>DISPENSING BALANCE - With metric system weights 100 gm cap. with weight.</b>	<b>50</b>
<b>57</b>	<b>PILL TILES - Ointment slab made of Acrylic sheet.</b>	<b>50</b>
<b>58</b>	<b>SUPPOSTORY MOULD 6 MOULD - Made of Gun Metal.</b>	<b>50</b>
<b>59</b>	<b>PORCELAIN DISHES</b>	
	a) 2"	<b>3</b>
	b) 2.5"	<b>3</b>
	c) 3"	<b>3</b>
	d) 4"	<b>3</b>
	e) 6"	<b>3</b>
<b>60</b>	<b>CRUCIBLES - 30 ml porcellan crucible with 12" s.s. tray</b>	<b>15</b>
<b>61</b>	<b>PESTLE &amp; MORTAR - Porcelain</b>	
	a) 3"	<b>10</b>
	b) 4"	<b>20</b>
	c) 5"	<b>10</b>
	d) 6"	<b>10</b>

<b>62</b>	<b>SPATULA - S.S.</b>	
	a) 6"	<b>10</b>
	b) 8"	<b>20</b>
	c) 10"	<b>10</b>
<b>63</b>	<b>MEASURE GLASS / CONICAL MEASURE - PLASTIC</b>	
	a) 125 ml	<b>25</b>
	b) 200 ml	<b>25</b>
<b>64</b>	<b>WATER BATH - Single Wall</b>	<b>15</b>
	<b><u>MISCELLANEOUS</u></b>	
<b>70</b>	a) Glass Rods 12"	<b>3</b>
	b) Funnels	<b>3</b>
	c) Filter Paper (Ordinary) rate for per packet	<b>3</b>
	<b><u>SPECIAL CHEMICALS &amp; PHARACOLOGICAL EQUIPMENTS</u></b>	
<b>1</b>	<b>BALANCE SEMI MICRO ANALYTICAL</b>	
	A) Weighing Cap. 220 gm, 10 mg accuracy	<b>1</b>
	Note. Standard make balance - rate on request	
<b>2</b>	<b>ELECTROCARDIOGRAPH / ECG MACHINE</b>	<b>1</b>
<b>3</b>	<b>SPECTROPHOTO METER</b>	<b>1</b>
	simple spectrophotometer with double display	
<b>4</b>	<b>SKIN &amp; RECTAL THERMOMETER BRAUN / TELETHERMOMETER</b>	
	temp. accuracy 1° C	
	A) Single Probe	<b>1</b>
<b>5</b>	<b>ANTI-HISTAMINE CHAMBER WITH MANOMETER</b>	<b>1</b>
	A compact Histamine Aerosol apparatus consisting of a clear perspex exposition chamber divided in two sections an all glass neubilizer and dial type sphygmomanometer for assay of antihistamine drug on guinea pigs etc.	
<b>6</b>	<b>FLAME PHOTOMETER</b>	

	With Na & K Filter Digital Model	
	A) Single Display	1
7	<b>STOP CLOCK</b> - Mechanical	18
8	<b>WATER BATH 4 HOLE</b> - Electrically operated.	12
9	<b>BELL JARS ASSORTED</b> - Size 8"x4"	4
10	<b>PETRI DISHES ASSORTED</b> - Size 4"	36
11	<b>MUSEUM JAR / SPECIMEN JAR</b> For Storage of human body organs Available in Following Types:- <b>SPECIMEN JARS</b> Available in Following Types:- <b>i) Made of Acralic</b> 220mm x 150mm x 100mm	30
12	<b>ALL GLASS DISTILLATION APPARATUS</b> - Cap. 3 ltr.	2
13	<b>CENTRIFUGE ELECTRIC INTERNATIONAL R.P.M. 3000</b> A) 6 tube electrical	4
14	<b>MICROSCOPE STUDENT / MEDICAL MICROSCOPE</b> Model Available:- Inclind Monocular Microscope - Work on 6 V-21 watt Halogen bulb with 10x, 45x & 100x Objective & 10xWF, 5x Hygenian eyes pieces, Co-axial mechanical stage, dust cover & packed in pieces, Co-axial mechanical stage, dust cover & packed in thermocol box With superior quality optics	Order Placed
15	<b>MICROSCOPE LAMPS</b>	Order Placed
16	<b>MAGNETIC STIRRER B.T. L.</b> - With teflon stop cock.	1
17	<b>AUTOCLAVE ELECTRIC</b> available in following types and sizes: - 12" x 12" ( Portable Electrical Aluminium Chamber)	1
18	<b>WARING BLENDER M.S.E.</b>	1



<b>19</b>	<b>HOT AIR OVEN</b>	
	Standard double wall fabrication. Inner chamber made of richly anodized aluminium or highly polished stainless steel sheet. Exterior fabricated out of thick mild steel sheet duly finished in stoved enamel off-white paint or Powder coated paint combinations. The gap between the walls is filled with special grade glass-wool for heat insulation. Inner chamber is ribbed for placing shelves at convenient levels. Provided with two or three removable shelves. Special elegant door closing device has been provided. Nichrome wire heating elements provided on three sides attain quick and uniform heating in range of 50°C to 250 ° C ± 1°C controlled by capillary type thermostat. L-shaped thermometer is built in type. Control panel is provided with selector switch of high or low rates of power, thermostat control knob and indicators for main & thermostat. Supplied with cord & plug. The equipment is suitable to operate on 220 V AC 50Hz single phase.	<b>Order Placed</b>
	<b>Alu Chamber Size:</b>	
	16"x16"x16"	
	<b>Optional Accessories at extra cost.</b>	
	i). Air circulating fan.	
	ii). Digital temp. Indicator-cum-controller	
<b>20</b>	<b>INCUBATOR</b>	
	Standard double wall fabrication. Inner chamber made of out of richly anodized aluminium of highly polished stainless steel sheet and outer made out of thick mild steel sheet finished in white stoving enamel paint or mat finished pastel colour combinations. The gap is filled with special glass wool for temp. insulation Double wall door with double glass window for observation in the chamber. Temperature range 5° C above ambient to 80°C ± 2°C controlled by a thermostat L-shaped thermometer is provided for taking temp. readings. Panel is provided with pilot lamps for mains & heaters, on-off switch, temp. control knob etc. The equipment is workable on 220 V AC 50 Hz single phase. Heating is achieved from 3 sides. Perforated removable shelves also provided.	
	<b>Aluminium Chamber sizes :</b>	
	12"x12"x12"	<b>1</b>
	<b>Optional Accessories if require at extra cost</b>	
	i) Air circulating fan	<b>1</b>
	ii) Digital temp. Indicator-cum-controller	<b>1</b>
<b>21</b>	<b>VACUUM &amp; PRESSURE PUMP - Portable model</b>	<b>2</b>

<b>22</b>	<b>B. P. APPARATUS</b>	
	a) Pagoda make mercury	<b>12</b>
<b>23</b>	<b>DISTILLED WATER STILL</b>	<b>2</b>
	Cap 4/5 ltr. per hr Made of S. S. joint less, wall hanging model.	
	Electrical heated.	
<b>24</b>	<b>STETHOSCOPE - Good Quality</b>	<b>12</b>
<b>25</b>	<b>MULTIMETER - Digital</b>	<b>1</b>
<b>26</b>	<b>TEMPERATURE CONTRLLED WATER BATH 37° C</b>	
	Standard double wall construction, inner being of S.S outer of m.s duly stoving paint finish and gap fitted for temperature insulation with glass wool. Top cover with 75 mm (3") holes with concentric rings. Temp. range 5°C above ambient to 95°C controlled by a thermostat. Heating is attained by an immersion type element with accuracy of ± 1° C supplied complete with plug and cord. panel provided with pilot lamps thermostat control knob etc.	
	6 Hole	<b>1</b>
<b>27</b>	<b>RAZOR HONE - For Microtome</b>	
	a) Small size - 7"x2"	<b>1</b>
	b) Big size -10"x3"	<b>1</b>
<b>28</b>	<b>ELECTRIC HOT PLATE</b>	
	laboratory hot plates are available in round and rectangular shapes. Body is fabricated out of thick mild steel sheet duly finished is stoving enamel paint.	
	The hot plate made of cast iron nicely & precisely machined & smoothed duly finished in heat resistant black paint is firmly mounted on the body. Heavy duty heating elements are securely layed under the plates to operate on 220V Ac 50Hz single phase. Temp. is controlled by a three heat rotary switch along with an indicators lamp for the mains and cord & plug.	
	Available in following sizes :-	
	a) Hot Plate (Round) Single 20cm 8" Dia Moulded top	<b>2</b>
<b>29</b>	<b>PHYSIOGRAPH</b>	
	a) Main Console with time & Event Channel ans stimulator	

	<b>Single Channel</b>	<b>2</b>
<b>30</b>	<b>VORTEX MIXER / TEST TUBE SHAKER</b>	<b>2</b>
	Useful for accelerated mixing of solutions in test tubes, small flasks or centrifugal tubes etc. The housing is 150x150mm. The speed is regulated by a speed control device. Short eccentric stroke motor imparts vigorous agitation to the tubes or flasks. Body is strong and finished in stoving enamel paint. The equipment is workable on 220V AC 50 Hz single phase.	
<b>31</b>	<b>ACTOPHOTOMETER / ACTIVITY CAGE</b>	<b>1</b>
	Improved and solid state type with six photo cells for measuring spontaneous or induced activity with digital totalizer or counter.	
<b>32</b>	<b>ROTA ROD ASSEMBLY</b>	
	Models in following types & sizes:-	
	a) Fitted with digital timer & manual rpm controller. 5 rpm to 25 rpm $\pm$ 3 rpm fitted with D.C. motor	
	a) Two compartments	<b>1</b>
<b>33</b>	<b>ELECTRO-CONVULSIOMETER</b>	<b>1</b>
	Provide 50 Hz alternating current stimuli for producing minimal and super maximal seizures required in the assay anti-convulsant and epileptic drugs complete with one pair corneal electrode 4,6, or 8mm cups. And one pair of ear clips work on 220 A.C	
<b>34</b>	<b>COCK'S POLE CLIMBING APPARATUS</b>	<b>1</b>
	New improved model built in solid state buzzer and stimulator to provide electrical shocks of 400V in pulsating rates 0.2 Ma a frequency of 5 per sec. For a duration controlled manually or by built in 30 second timer. Output available for recording on kymograph or polygraph complete to work on 220V A.C.	
<b>35</b>	<b>METABOLIC CAGES - (Diuretic Study)</b> made of S. S. Material. Complete with feeding bottle, card holder & feeding tray.	<b>4</b>
<b>36</b>	<b>DIGITAL PH METER</b>	<b>1</b>
	Digital, table top model with stand buffer tablets & solution Bottles.	
<b>37</b>	<b>TABLET DISINTEGRATION MACHINE</b>	

	(a) single basket superior model microprocessor based.	1
<b>38</b>	<b>GLASS TUBING (LENGTH OF 6 FT.) - rate for per kg.</b>	<b>1</b>
<b>39</b>	<b>GLASS RODS - 12" long</b>	<b>150</b>
<b>40</b>	<b>GLASS PASTLE &amp; MORTAR</b>	
	a) 9 cm	<b>12</b>
	b) 11.5 cm	<b>12</b>
	c) 15 cm	<b>12</b>
<b>41</b>	<b>CORK BORER - Set of 12 German Type</b> Heavy duty	<b>1</b>
<b>42</b>	<b>HOLDER FOR PLATINUM WIRE LOOP</b>	<b>160</b>
<b>43</b>	<b>LANCET SPRING (Pack of 100)</b>	<b>0</b>
<b>44</b>	<b>MAGNIFYING GLASS - With Metal Handle 4"</b>	<b>80</b>
<b>45</b>	<b>METAL MINCING MACHINE / MEAT MIXING MACHINE</b>	<b>1</b>
<b>46</b>	<b>POSTMARTEM INSTRUMENTS SETS COMPLETE</b> Packed in wooden box. A) Superior quality	<b>2</b>
<b>47</b>	<b>SUCTION PUMPS - Fitted with suction pump &amp; superior quality motor.</b>	<b>1</b>
<b>48</b>	<b>FILTERING APPARATUS SIETZ</b> Available in following models:- a) Sietz-filter Holder - 100 ml cap. Made of S. S. with flask b) Millipore Filter Assembly 47 mm dia made of Borosilicate Glass	<b>1</b> <b>1</b>
<b>51</b>	<b>A) DESSICATOR - PLAIN - Plastic</b> a) 150 mm / 6" b) 200 mm / 8"	<b>1</b> <b>1</b>
<b>52</b>	<b>A) VACCUM DESSICATOR - BOROSILICATE GLASS</b> a) 150 mm / 6"	<b>1</b>
<b>53</b>	<b>APRON PLASTIC FOR POSTMORTEM</b>	<b>2</b>

<b>54</b>	<b>APPRON RUBBER FOR POSTMORTEM</b>	<b>2</b>