

**Department of Physiology**  
**SMIMER, Surat**  
**List of instruments**

**1. Haematology Laboratory**

Name of the Equipment	Name of the Equipment
Widal Rack (15)	Double demonstration eye piece (4)
Test Tube Rack ( PVC ) (5)	Urinometer (50)
Needles & Syringe Destroyer (small)	Urinometer (glass) (27)
Wintrobe tube for ESR & PCV with Stand (30)	All glass Distillation Apparatus (6)
Westergreen pipette with ESR Stand (30)	Voltage stabilizer (3)
Timer Electronic Clock with Alarm bell (5)	Needles & Syringe Destroyer (big)
Centrifuge Machine R24	Water Bath (1)
Haemoglobinometer SAHLI type (96)	Oil immersion Lens (60)
Balance open pan (0 to 300 gm capacity) (3)	Enamel tray without cover (19)
Haemocytometer (110)	Enamel tray without cover (300x375cm) (60)
Demonstration eye piece (10x) (4)	Enamel bowl 4" (200)
Analytical balance with weight box (Keroy)	Microscope with Light source (oil immersion) (81)
Stop watches (simple) 1/10 sec. (34)	Distilled water plant (S.S) (1)
Refrigerator (1)	

**2. Clinical Physiology Laboratory**

Name of the Equipment	Name of the Equipment
Sphygmomanometer Digital (60)	Knee hammer (40)
Sphygmomanometer mercury based (16)	Schematic eye (3)
Sphygmomanometer Dial type (11)	Stethoscopes multiple (6)
Bicycle Ergograph (2)	Stethoscopes (60)
Metronome (Palmer) (3)	X-ray View Box (2)
Edridge Green Color perception Lantern (2)	Magnifying Lens (4)
Newton's colour disc (2)	Objective Micrometer (1)
Perimeter Priestley's (11)	Tuning fork for test hearing (32)
Perimeter with Lister's (5)	Tuning Fork Set (20)
Spirometer (20)	Torch (9)
Thermal Aesthesiometer (30)	Algometer (25)
BMR apparatus (1)	Phakoscope (1)
Mosso's ergograph with weight set (10)	Steriliser electric (2)
Compass aesthesiometer (30)	Venous pressure apparatus (1)
Hand grip dynamometer (2)	Otorhinolaryngoscope (2)
Douglas Bag (2)	Olfactometer (1)
Clinical Thermometer Digital (60)	Ophthalmoscope (2)
Clinical Thermometer mercury (42)	Ischiarra Charts (6)
Maddox Rod (2)	Stethographs (25)

**Department of Physiology**  
**SMIMER, Surat**  
**List of instruments**

**3. Amphibian Laboratory**

Name of the Equipment	Name of the Equipment
Organ bath(big size) (13)	Marey's tambour (20)
Student isolated organ bath (15)	Volume float recorder (6)
Pulleys	Tetanus set (6)
1. 18mm (3)	Student stimulator Electronic(1)
2. 25mm (3)	Sherrington sterling drum(electrical) (42)
3. 38mm (3)	Spared cylinder15x15 (25)
Tuning forks N\100 with time marker (17)	Two pan balance 5 kg (2)
Electromagnetic time marker (EMTM) (12)	Nonpolarised electrodes (24)
<b>Accessory Set</b>	
Electrode bipolar (36)	Student stimulator (36)
Open soled block (36)	Spared cylinders (for smoking) (50)
Plain stand (36)	Diamond point pencils (25)
Spirit lamp (36)	
<b>Accessory Set of Experimental Physiology</b>	
Myograph stand with frog board (42)	Myograph lever with frog board (42)
Muscle grip/ femur clamp (42)	Induction coil (42)
Hook & weight set ( 110gm ) (42)	Spring contact key ( simple)/ Tap key (42)
Heart lever starling (42)	Dubois key (42)
Dissection board (42)	Pohl's commutator (42)

**4. Mammalian Laboratory**

Name of the Equipment	Name of the Equipment
Operation table (2)	Bulldog clamp 1.5 " (6)
Animal weighing balance (1)	Bone cutter 6 " (1)
Smoking stand (1)	Abdomen Retractor (2)
CO <sub>2</sub> gas cylinder& trolley (2)	Instrument sterilizer (2)
Fume chamber (1)	Scissors sharp and straight 6 " (6)
Dissection Boxes (3)	Toothed forceps (6)
Instrument Trolley (2)	Scissor blunt & curved 6 " (6)
Oxygen Gas cylinder (1)	Scissor blunt & straight 6 " (6)
Burette Stand Clamp (6)	Pointed forceps (6)
Artery forceps Curved 4 " (6)	Scissors Sharp &Curved 6 " (6)
Artery forceps Curved 6 " (6)	INCO LP Extension (6)
Artery forceps straight 4 " (6)	Super speed kymograph complete with time
Artery forceps straight 6 " (6)	Long paper smoker and varnisher (1)
Aneurysm Needle (3)	Anaesthesia box (3)
Bulldog clamp 1 " (6)	Respiratory pump (1)

**Department of Physiology**  
**SMIMER, Surat**  
**List of instruments**

**5. Yoga Laboratory**

Audio visual aids, Yoga mats and charts for teaching and performing yoga sessions	
<b>*Instruments under procurement</b>	
Digital Perimeter	Digital Electrocardiography
EMG-NCV-EP System (4 channel)	

**6. Research Laboratory**

<b>Name of the Equipment</b>	<b>Name of the Equipment</b>
Weighing balance (1)	Step down transformer (1)
Single pan electronic analytical balance(1)	Stage incubator (1)
Chinomatic analytical balance (Keroy)(1)	Hot Air Oven (1)
Physiograph single channel (8)	Centrifuge high speed (1)
Physiograph two channel (Analog)(1)	Photo-Electric Calorimeter (1)
Physiograph three channel (Digital) (2)	Binocular Microscope Olympus (3)
Polygraph 16 Channel (Digital)(02)	Screw Driver set (2)
Laptop (2)	Magnetic Stirrer (1)
Printer (2)	PH meter (3)
Polygraph 5 channel (Analogue) (1)	Apparatus for Passive movement (1)
Bicycle Ergograph (2)	Binocular microscope (3)
Low Voltage Unit for tapping (2)	Non-invasive B.P. Recorder (1)
ECG Machine (2)	Gas Analyser Apparatus (Haldane) (1)
Van Slyke Apparatus (1)	Gas Analyser automatic for CO <sub>2</sub> , O <sub>2</sub> , N <sub>2</sub> (1)