

# UNIVERSITY OF SOUTHERN MINDANAO GRADUATE SCHOOL



## PhD in Applied Linguistics

### PARAMETER B

- B1. Inventory of the available equipment, apparatuses, supplies and materials
- B2. List of fabricated tools and apparatuses, including relevant information
- B3. List of fabricated equipment, with patent

9  
AREA

## B. Equipment and Supplies

### B.1. Inventory of available equipment, apparatuses, supplies and materials

<b>Name of Apparatus</b>	<b>Brief Description</b>	<b>Purpose/ Function</b>	<b>Subject Where It is Used</b>	<b>Fabricator</b>
<b>BIOLOGY LABORATORY</b>				
Inoculating loop	Made of high quality twisted nichrome wire which is designed to cool rapidly after flaming	Used to transfer microorganism to growth media	Microbiology	Joel J. Tayo
Laboratory Cart	Made of wood	Use to transport items from central laboratory to the laboratory rooms	All Biology subjects	Engr. Abdul Aziz Mabang
Electric Bulb	It is supplied with electrical current by feed through terminals or wires	It is designed to provide artificial light to the microscope Where no natural lighting is available or is enough for the light microscope	All Biology Subjects	Oscar F. Barroga
Osmometer Set up	Made of egg membrane, thistle tube and plastic cup	To observe Osmosis	General Biology and General Zoology	Julie S. Kamamang

Inventory of functional equipment based on CHED minimum requirements.

<b>A. COMPUTER LABORATORY</b>	
<b>List of functional Equipment</b>	
<b>Laboratory</b>	<b>Computer Units</b>
CE 10	36
CE 11	36
CE 13	30
CE 16	34

<b>COMPUTER LABORATORY</b>			
Set 1: Monitor: ASUS 7BLMTF 060729 Keyboard: Clicker, 02431102007 Mouse: A4tech Processor: 7MOAIKIY325; Dual Core; Power Lock Hard Disk: 80GB,; 6QZ3Z26S Ram: 512MB		1	1
Set 2: Monitor: LG; S/N 0081NXL4Z844 Keyboard: Clicker, 06917102007 Mouse : Genius Processor: 77moa1k19323; Dual Core; Power Lock Hard Disk: 80GB,;6QZ37OD5 Ram: 512MB		1	1
Set 3: Monitor: LG; 0081NZY50941 Keyboard: Genius Mouse : Genius Processor: 78MOA1548429; Dual Core; Power Lock Hard Disk: 80GB; 6QZ37141 Ram: 512MB		1	1
Set 4: Monitor : LG; 0081NTX4Z881 Keyboard: Genius Mouse : Clicker Processor: 77MOA 1K19326, Dual Core; Power Lock Hard Disk: 80GB;5RA3FFBP Ram : 512MB		1	1
Set 5: Monitor : ASUS;7BLMTF060718 Keyboard: A4TECH Mouse : Genius Processor: 83moa2034271; Dual Core; Asrock Mother Board Power Lock Hard Disk: 80GB; 5RA386QN Ram : 512MB		1	1

Set 6: Monitor : ASUS Keyboard: A4TECH Mouse : Clicker Processor : Dual Core; Asrock Mother Board Power Lock Hard Disk : 80GB Ram : 512MB		1	1
Set 7: Monitor : AOC Keyboard: A4TECH Mouse : Genius Processor : Dual Core, ASUS Power Lock Hard Disk : 80GB Ram : 512MB		1	1
Set 8: Monitor : 5AM80NG Keyboard: White Keyboard Mouse : Genius		1	1
Set 9: Monitor : ASUS Keyboard : A4TECH Mouse : Genius Processor: Dual Core Power Lock Hard Disk: 80GB Ram: 512MB		1	1
Set 10: Monitor : LG Keyboard : Mouse : Clicker Processor : ASUS, Dual Core Power Lock Hard Disk : 80GB Ram : 512MB		1	1
Set 11: Monitor: ASUS Keyboard: A4TECH Mouse: Clicker Processor : Dual Core Power Lock Hard Disk : Ram : 512MB		1	1

Set 12: Monitor : Samsung Keyboard: Clicker Mouse: Clicker Processor : Dual Core Power Lock Hard Disk Ram		1	1
Set 13: Monitor : Samsung Keyboard : Clicker Mouse : Clicker Processor : Dual Core Power Lock Hard Disk : 80GB Ram :512MB		1	1
Set 14: Monitor : AOC Keyboard : A4TECH Mouse : Clicker Processor: Dual Core Power Lock Hard Disk : 80GB Ram : 512MB		1	1
Set 15: Monitor : Samsung Keyboard : Melody Mouse : A4TECH Processor: Asrock, Dual Core Power Lock Hard Disk: 80GB Ram : 512MB		1	1
Set 16: Monitor : Samsung Keyboard : A4TECH Mouse : Genius Processor : i3;ASUS;CIVD Power Lock Hard Disk : 500GB Ram: 2GB		1	1
Set 17 : Monitor : Samsung Keyboard: Whiteboard Mouse : Genius Processor : Philips; Dual Core Power Lock Hard Disk : Ram:		1	1

Set 18 : Monitor : Samsung Keyboard : Whiteboard Mouse : Genius Processor : Dual Core Power Lock Hard Dish :80GB Ram : 512MB		1	1
Set 19 : Monitor : ASUS Keyboard : Clicker Mouse : A4TECH Processor : Dual Core Power Lock Hard Disk : 80GB Ram : 512MB		1	1
Set 20 :Monitor : LG Keyboard : Clicker Mouse : Clicker Processor : i5; ASUS;B8MOAB081854 Power Lock Hard Disk : 500GB Ram : 2GB		1	1
<b>NEW COMPUTER SET</b>  Set 1: Monitor : Gateway;S/N 32204146542 Keyboard : Genius; XP1351102847 ASUS Mouse : Genius Processor : DGMOAD552769 Power Lock Hard Disk : 500GB; Z3TR266Z Ram : 2GB		1	1
Set 2 : Monitor : Gateway; S/N- 32102173042 Keyboard : Genius Mouse : Genius;S/N-745 Processor : DGMOd637787 Hard Disk : 500GB; S/N Z3TR2Z5A Ram : 2GB		1	1

Set 3 : Monitor : S/N 32204152642 Keyboard : Genius Mouse : Genius ; S/N 759 Processor :DGMOAD552770 Hard Disk : 500GB,Z3TQV01C Ram : 2GB  Set 4 : Monitor : S/N 32204137242 Keyboard : Genius Mouse : Genius; S/N 757 Processor : GDMOAD552771 Hard Disk : 500GB Ram : 2GB		1	1
Set 5: Monitor : Gateway Keyboard : Genius Mouse : Genius; 787 Processor : DGMOAD552763 Hard Disk : 500GB;Z3TR2YPH Ram : 2 GB		1	1

<b>B. BIOLOGY LABORATORY</b>			
1. Calorimeter, Electric	-	2 units	2
2. Centrifuge	1	1 unit	1
3. Clark Type Probes (Multi Probes)	1	-	-
4. Cold Cabinet	1	-	-
5. Colony Counter	-	1 unit	1
6. Compass	1	1 unit	1
7. Compound Microscope	1 per student	81 units	81
8. Computer (Intel-Core todou)	-	1 set	1
9. Day Light Processing (DLP)	-	8 units	8
10. Digital Plan Measure	-	1 unit	1
11. Digital Sigma Cat	-	1 unit	1
12. Distilling Apparatus	1	1 unit	1
13. D.O. Meter	-	1 unit	1
14. Drawing Tube	-	2 units	1
15. Ecology Field Trip	-	1 unit	1
16. Edifier Sound Box	-	3 units	3
17. Electric/Ceiling Fans	4	36 units	36

18. Electrophoresis Kit	1	1 (Bio Lab) 2 (Mol. Bio Lab)	3
19. Extraction Trays	-	100 pcs	100
20. Fire Extinguisher	-	6 units	6
21. Fume hood	1	1 (Chem Lab)	1
22. Furnace	1	1 (Bio Lab) 2 (Chem Lab)	3
23. Glass Aquaria with aerators	1 set per 5 students	1 unit	1
24. Global Positioning System	-	1 unit	1
25. Growth Chamber	1	1 unit	1
26. Hand Lens	-	32 units	32
27. Hanging Pan Balance (OHAUS)	-	4 units	4
28. Homogenizer	1	1 unit	1
29. Hot plate	-	1 unit	1
30. In hoof Sedementation Cone	-	1 unit	1
31. Incubator	-	2 units	2
32. Inoculating Chamber	-	1 unit	1
33. Insect Net	-	2 units	2
34. Isolation Chamber	-	7 units	7
35. Kymograph Animal Physiology Kit	1 set per 5 students	2 units	2
36. Laminar Flow	-	1 unit	1
37. Laptop Computer	-	1 unit	1
38. Leaf Area Meter	1	-	-
39. Light Meter	1	2 units	2
40. Live Traps	-	50 units	50
41. Magnetic Stirrer	1	2 (Chem Lab)	2
42. Model: Male Pelvis Section	-	1 unit	1
43. Meter Stick	-	10 units	10
44. Micropipette with diff volume	-	3 units	3
45. Micro projector	-	1 unit	1
46. Microscope (Binocular)	-	6 units	6
47. Microscope (Olympus)	-	39 units	39

57. Microscope (Trinocular) w/ Photomicrograph	-	2 units	2
58. Microscope with mounted camera assembly	1	1 unit	1
59. Microtome, Rotary	1	2 units	2
60. Minivid Camera	-	1 unit	1
62. Mist nets	-	30	30
63. Model: Human Eye	-	1	1
64. Model: Human Female Rep. System	-	1	1
65. Model: Human Male Rep. System	-	1	1
66. Model: Human Skeleton	-	1	1
67. Model: Human Skin	-	1	1
68. Model: Human Teeth	-	1	1
69. Model: Human Torso	-	1	1
70. Model: Integumentary System	-	1	1
71. Model: Neuron	-	1	1
72. Model: Skeletal System	-	1	1
73. Motic Student Microscope	-	1	1
74. Ocular Micrometer	-	5	5
75. Oven	1 unit per lab	1 (Bio Lab) 1 (Chem Lab)	2
76. Overhead Projector	-	4	4
77. pH Meter (Digital & Soil)	-	2	2
78. Photo-Micrography	-	2	2
79. Plankton Net	-	2	2
80. Plant Pressers	-	6	6
81. Platform Balance	1	2 (Chem)	2
82. Polar Sachari Meter (Laurent System), Elma	-	1	1
83. Polaroid Camera	1	-	-
84. Pressure Cooker	-	1	1
85. Printer, Computer	-	2	2
86. Psychrometer Sling	-	10	10
87. Psychrometer, Digital	-	1	1
88. Rain Gauge (Digital)	-	1	1
89. Refractometer	-	1	1

90. Refrigerator	1	4 (Bio Lab) 1 (Chem Lab)	5
91. Respirometer	1	1	1
92. Saccharometer	-	1	1
93. Salinometer/Refractometer	1	1	1
94. Secchi Disk	-	2	2
95. Sediment Sampler	1	1	1
96. Shaker	1	1	1
97. Sieves	1	4	4
98. Slide Projector	1	1	1
99. Sling Psychrometer	1	10	10
100. Soil Corer	-	2	2
101. Spectrophotometer	-	1	1
102. Sphygmomanometer	-	9	9
103. Spirometer (Wet)	-	1	1
104. Stage Micrometer	1	5	5
105. Stereoscope (Binocular)	-	25	25
106. Stereoscope (Olympus)	-	20	20
107. Stereozoom Microscope	1 piece per group of 5 students	2	2
108. Stethoscope	-	7	7
109. Stove	1 unit per group of 5 students	2 (Bio Lab) 7 (Chem Lab)	9
110. Television	-	2	2
111. Thermometer	-	39	39
112. Tuning Fork on Resonator	-	6	6
113. Urinometer	-	1	1
114. UV-VIS Spectrophotometer	1	1 (Visible Spectro)	1
115. Vacuum Pump	1	1	1
116. VCD	-	1	1
117. Vernier Caliper	-	1	1
118. Vertical Tube for Photomicrography	-	2	2
119. Vortex Mixer-Shaker (Coloparmer)	-	1	1
120. Water Bath Shaker	1	1	1

121. Water Pollution Kit	-	1	1
122. Water sampler	1	1	1
123. Weighing Scale	-	2	2
124. Wind Meter	1	1	1
125. Windscope Speed & Direction Indicator	-	1	1
126. Wire Gauge	-	37	37
GLASSWARES			
Beaker 4000 ml	-	1	1
Beaker 2000 ml	-	1	1
Beaker 1000 ml	-	33	33
Beaker 500 ml	-	20	20
Beaker 400 ml	-	2	2
Beaker 250 ml	-	56	56
Beaker 200 ml	-	1	1
Beaker 150 ml	-	32	32
Beaker 100 ml	-	17	17
Beaker 50 ml	-	72	72
Burette	-	72	72
Burette Clamp	-	7	7
Crucible Tong	-	11	11
Erlenmeyer Flask 1000 ml	-	4	4
Graduated Cylinder 50 ml	-	18	18
Graduated Cylinder 10 ml	-	28	28
Graduated Cylinder 100 ml	-	10	10
Mortar & Pestle	-	25	25
Petri Plates	-		
Pipette 10 ml	-	22	22
Plastic Pipette	-	6	6
Reagent Bottles	-	6	6
Screwcap tubes (Large)	-	42	42
Screwcap tubes (Medium)	-	20	20
Screwcap tubes (Small)	-	8	8
Staining Dish	-	16	16
Staining Dish (Long Square)	-	-	-
Staining Dish (Square)		-	-

Staining Dish (White Cover Round)	-	-	-
Stirring Rod	-	29	29
Test tube (Large)	-	119	119
Test tube (Medium)	-	80	80
Test tube (Small)	-	265	265
Thistle Tube	-	17	17
Volumetric Flask 1000 ml	-	2	2
Volumetric Flask 800 ml	-	2	2
Volumetric Flask 100 ml	-	5	5
Volumetric Flask 50 ml	-	3	3
<b>LABORATORY MATERIALS</b>			
Alcohol lamp	-	62	62
Blade	-	425	425
Blue Tips	-	1100	1100
Cork Borer	-	50	50
Cork Borer	-	6	6
Cotton Buds	-	830	830
Dissecting Pan	-	129	129
Electric Bulb	-	5	5
Erlenmeyer Flask 500 ml	-	19	19
Erlenmeyer Flask 250 ml	-	44	44
Erlenmeyer Flask 125 ml	-	36	36
Funnel (Large)	-	7	7
Funnel (Plastic)	-		
Funnel (Small)	-		9
Graduated Cylinder 500 ml	-	5	5
Graduated Cylinder 250 ml	-	4	4
Extension Wire	-	4	4
Forceps	-	40	40
Goggles	-	10	10
Inoculating Loop	-	54	54
Kymograph Paper	-	151	151
Lancets	-	706	706
Live toad	-	40	40
Medicine dropper	-	100	100
Percussion hammer	-	16	16

Pins	-	1059	1059
Plastic Cup	-	8	8
Ruler	-	45	45
Snorkel	-	10	10
Spatula	-	21	21
Staining dish	-	15	15
Straw	-	250	250
Test tube Brush	-	66	66
Test Tube rack (Wood)	-	45	45
Test tube rack (Plastic)	-	16	16
Test tube rack (Steel)	-	4	4
Toothpicks	-	3	3
Tray	-	54	54
Wash bottle	-	31	31
White tips (Clear tips)	-	1000	1000
Wire gauge	-	8	8
Yellow tips	-	400	400
<b>MICROSCOPES</b>			
Binocular, Electric Microscope (Olympus)	-	1	1
Microscope projector	-	5	5
Monocular microscope (Olympus/UNESCO/DOST)	-	43	43
Binocular microscope	-	81	81
Olympus objective	-	2	2
Photomicroscope	-	1	1
Stereoscope (UNESCO/DOST)	-	28	28
Trinocular microscope	-	1	1
<b>INSTRUCTIONAL MANUAL</b>			
DLP	-	4	4
DLP projector	-	2	2
DNA model	-	1	1
Edifier sound box	-	3	3
Elmo hp-285 portable ohp	-	2	2
Elmo ohp	-	1	1
Eye model	-	1	1
Female pelvis section	-	1	1

Female reproductive system	-	1	1
Heart model	-	1	1
Human body showing the whole muscle	-	1	1
Human skull model	-	1	1
Human torso & head	-	1	1
Male pelvis section	-	1	1
Male reproductive system model	-	1	1
ACETATE			
Formulas and equation	-	1	1
How green plants make and store foods	-	1	1
Insect life cycle	-	1	1
Matter & Molecular theory	-	1	1
Mendel's Law	-	1	1
Planets	-	1	1
Rocks and Minerals	-	1	1
Sponges	-	1	1
Understanding our Earth	-	1	1
Wonder world of Science	-	1	1
Projector slides	-	1	1
Cell function	-	1	1
Cell function	-	1	1
Cell structure	-	1	1
Cell theory	-	1	1
DNA/RNA	-	1	1
Environments and ecosystem	-	1	1
How do fungi get food?	-	1	1
How do green plant get food?	-	1	1
Monerans: Bacterai, Blue-green Algae & Viruses	-	1	1
Protist& Algae	-	1	1
<b>PREPARED SLIDES</b>			
Adipose tissue (Human)	-	40	40
Adipose tissue (Section)	-	7	7
Adrenal mammalian	-	1	1
Aedes female w.m.	-	1	1
Amoeba proteusw.m.	-	1	1

Amphioxus w.m.	-	1	1
Ancyclostomacaniumw.m.	-	1	1
Ancyclostomacanium (female) w.m.	-	2	2
Ancyclostomacanium (male) w.m.	-	1	1
Anopheles female w.m.	-	1	1
Anopheles lavaew.m.	-	3	3
Anopheles male w.m. (Parasitology)	-	1	1
Anopheles pupa w.m.	-	1	1
Arthropoda human louse	-	1	1
Ascaris l.s. (uterus)	-	1	1
Ascarislumbricoides (female c.s.)	-	1	1
Ascarislumbricoides (male c.s.)	-	1	1
Ascarislumbricoides eggs (parasitology)	-	2	2
Ascarislumbricoides ova w.m.	-	2	2
Bacillus subtilis	-	2	2
Bone (decalsified.) c.s.	-	20	20
Bone (developing) x.s.	-	4	4
Bone (human)	-	2	2
Bone tissue	-	20	20
Bowman's capsule kidney x.s.	-	1	1
Brown skin sect. (human)	-	1	1
Butterflies mouth parts (sucking)	-	2	2
Butterfly antenna clavate	-	2	2
Butterfly wing w.m.	-	1	1
Cadena de amor anther with pollen x.s.	-	1	1
Cat ovary c.s.	-	1	1
Chicken louse	-	1	1
Chlorella w.m.	-	1	1
Cimexlecturalius adult	-	2	2
Clostridium perfringens	-	1	1
Coelenterate w.m. (Hydra budding)	-	1	1
Corn older stem	-	11	11
Culexw.m. female	-	2	2
Culexw.m. male	-	2	2
Cyanophytanostocw.m.	-	1	1
Daphnia w.m.	-	2	2

Diatoms fresh water w.m.	-	1	1
Dicot citrus stem	-	10	10
Dicot citrus stem x.s.	-	10	10
Dicot stem c.s.	-	1	1
Didinium devouring paramecium	-	1	1
Didinium w.m.	-	1	1
Dpylidium caninum ripe	-	1	1
Earthworm ls.	-	1	1
Ectoparasite of hipposideros diadema	-	2	2
Ectoparasite of miniopterus australis	-	1	1
Ectoparasite of myotishorsfiedii	-	2	2
Ectoparasite of rousettus amplexicaudatus	-	1	1
Entamoeba histolytica trophozoites cyst	-	5	5
Escherichia coli	-	1	1
Esophagus x.s.	-	5	5
Fasciolagigantica w.m.	-	2	2
Fasciola hepatica	-	1	1
Fasciola hepatica typical section	-	1	1
Fern leaf with sporangia (pteridophytes) x.s.	-	3	3
Foraminifera w.m.	-	1	1
Frog skin	-	8	8
Fungi	-	1	1
Giardia lamblia trophozoites	-	2	2
Gland thymus mammalian	-	2	2
Grantia spicules	-	1	1
Grantia x.s and l.s.	-	1	1
Gubula w.m.	-	1	1
Haemo-lymph node mammalian	-	1	1
Head louse (adult)	-	2	2
Head louse (egg)	-	3	3
Head louse (nymph)	-	3	3
Hymenolepis nana w.m.	-	2	2
Insect spiracle w.m. (arthropoda)	-	1	1
Lxora leaf c.s. (dicot)	-	15	15
Lactating gland mammalian	-	2	2

Large intestine (Rabbit) x.s.	-	6	6
Leucosoleniaw.m. (porifera)	-	2	2
Lily anther with pollen x.s. mature (flower)	-	1	1
Lily bud l.s. (flower)	-	1	1
Lily ovary x.s. Gen. structure (Flower)	-	1	1
Lily style and stigma l.s. (flower)	-	1	1
Lily x.s. anther tetrads (flower)	-	2	2
Lung mammalian	-	1	1
Male mosquito (ectoparasite)	-	2	2
Mammal areola tissue	-	1	1
Mammal yellow elastic tissue teased	-	1	1
Mesothelium x.s.	-	5	5
Mitosis	-	1	1
Mixed amoebic infection	-	2	2
Mixed spicules (porifera)	-	3	3
Monocot leaf x.s.	-	12	12
Monocot zea mays root x.s.	-	9	9
Mosquito female (Eppienaulaya)	-	1	1
Moss sporophyte	-	1	1
Mosses and ferns	-	1	1
Musa head w.m. (Anthropoda)	-	2	2
Muscal head w.m. (Arthropoda)	-	1	1
Muscle spindle l.s.	-	3	3
Mycobacterium tuberculosis	-	1	1
Nerve cells (cow c.s.)	-	1	1
Nerve cells (cow sect.)	-	1	1
Nerve cells smear (cow)	-	10	10
Nitrogen-fixing sect. (rhizobium)	-	2	2
Nymphaea leaf c.s. dicot	-	9	9
Obelia hydroid w.m.	-	1	1
Obelianhydroidsw.m.	-	1	1
Old root (x.s. ranunculus)	-	10	10
Older stem c.s. (Helianthus)	-	5	5
Onion root tip	-	40	40
Opalinaw.m.	-	3	3
Pancreas	-	1	1

		Central Lab)	
Autoclave	1	1	1
Barometer	1	1(Physics Lab)	1
Calorimeter	1	1(manual)	1
Centrifuge	5	3(Chem Lab) 2 ( Bio Lab)	3
Furnace	-	3	3
Gas Chromatography	1	-	-
High Pressure Liquid Chromatography	1	-	-
Hot plates	5	7	7
Laboratory Oven	1	1	1
Magnetic Stirrer	-	2	2
Manometer	1	-	-
Melting Point Apparatus	1	1	1
Microscope	1	2(Chem Lab) 111(Bio Lab)	2
Moisture meter	-	1	1
Nitrogen Analyzer (Kjeldahl)	-	2(USMARC Lab & PRTC)	2
Overhead Projector	-	3	3
pH Meter	1	2	2
Polarimeter	1	1	1
Polarograph	1	-	-
TLC and Gravity column	1	1	1
Refractometer	1	1	1
Top-loading Balance	1	3	3
Triple Beam Balance	1	3	3
UV-VIS Spectrophotometer	1	1(Visible Spectro)	1
Vacuum pump	1	1	1
VCR Television set	1	1	1
Viscometer	1	4	4
Blow Torch	-	2 pcs	2

Paragonimuswestermni ova	-	1	1
Paramecium in conjugation w.m.	-	1	1
Paramecium in fission w.m.	-	1	1
Parotid gland x.s.	-	1	1
Pediculushumanuscapitis male w.m. (parasitology)	-	1	1
Pine old root c.s. (Gymnosperm)	-	1	1
Pine section (wood)	-	3	3
Pinus ovule free nuclear stage	-	2	2
Pinus ovule with egg nucleus (gymnosperm0	-	1	1
Planariaw.m.	-	1	1
Plasmodium falciparum rings	-	1	1
Plasmodium vivox	-	1	1
Prepared slides of letter E or A	-	43	43
Proteus vulgaris	-	2	2
Pseudomonas aerogenosa	-	1	1
Ranunculus old root c.s. (dicot)	-	10	10
Rousettusamplexicaudutus	-	1	1
Trichinellaspiralis encysted larvae	-	1	1
Trichinellaspiralis muscle (turtox)	-	2	2
Trichiura female w.m. (trichuris)	-	1	1
Turbatrixaceti w.m.	-	2	2
Ventricle x.s. showing myocardium	-	1	1
Vermicularis ova w.m. (enterobius)	-	1	1
Vibrio (coma)	-	1	1
Vorticella w.m. (protozoa)	-	1	1
White fish blastula	-	4	4
Yeast smear (fungi)	-	1	1
Young root x.s. (ranunculus)	-	9	9
Zea mays root tip l. s.(monocot)	-	9	9
Zea mays root x.s. (monocot)	-	10	10
Zea mays stem x.s. ( monocot)	-	10	10
<b>C. CHEMISTRY LABORATORY</b>			
Analytical Balance	1	2	2
Atomic Absorption Spectrophotometer	1	1(USMARC	1

Board of Nails		pcs	2
Boyle's Law apparatus	-	2 units	2
Bread Board		pcs	5
Calorimeter	-	7 pcs	7
Capacitor experimental apparatus	-	1 set	1 set
Capillary tube apparatus	-	2 units	2
Carburandum		pcs	1
Carpenter Tape		pcs	6
Cart for inclined plane		pcs	3
Chain steel tape		pcs	5
Centrifugal force apparatus	-	1 unit	1
Charle's law apparatus	-	1 set	1
Chisel		set	1
Clamps		pcs	5
Claw hammer		pcs	1
Collision in 2 dimension		pcs	4
Counter		pcs	1
Cylinder Aluminum		pcs	1
DC ammeter	-	5 pcs	5
Demonstration balance	-	2 units	2
Denver Triple Beam balance	-	4 units	4
Disc Grinder	-	1 unit	1
Double pulley		set	1
Drill bits		set	1
Vortex Mixer	1	1(Bio Lab)	1
Water Distillation unit	1	1	1
<b>D. PHYSICS LABORATORY</b>			
Barometer, Mercurial	-	1 unit	1
Beakers		pcs	5
Bench Vise		pcs	2
Bench Type Drill press	-	1 unit	1
Dynamics chart		set	5
e/m Systems apparatus	-	1 set	1
Electric calorimeter	-	2 pcs	2
Electric plier		pcs	6
Electric soldering gun	-	1 unit	1

Electric soldering iron	-	4 pcs	4
Electric stove	-	3 units	3
Electronic multi-tester	-	2 pcs	2
Electroscope	-	1 unit	1
Equilateral prism		pcs	2
Flat file		pcs	1
Frank Hertz Experiment Apparatus	-	1 unit	1
Flexible file		pcs	2
Flint –glass prism		pcs	1
Force frame		pcs	5
Force table		pcs	1
Force table clamps		pcs	12
Fractional weights		pcs	1
Free-fall w/ digital display		unit	1
Friction sets		pcs	2
Function signal generator	-	3units	3
Galvanometer	-	5 units	5
Graduated cylinder	-	pcs	2
Hacksaw	-	1pc	1
He/Ne Laser	-	1 pc	1
Hemisphere		unit	1
Holder		pcs	2
Holt melt glue gun	-	1 unit	1
Hook's law apparatus	-	1 unit	1
Hydrometer		3pcs	3
Illuminator		pcs	1
Inclined plane		pcs	9
Iron stand		pcs	12
Kundt's apparatus		1 unit	1
Lab. jack		pcs	2
Lenses		pcs	2
Linear air track apparatus		1 unit	1
Linear expansion apparatus		3pcs	3
Long magnet	-	6pcs	6
Long nose plier		pcs	6
Magnetic compass		pcs	7

Meter stick (w/ metric/ English system graduation)		pcs	5
Meter ( wood)		pcs	4
Micrometer	-	2 sets	2
Mirror (con cave and convex)		pcs	4
Multi-tester	-	5 units	5
Optical bench		pc	1
Optical instrument	-	1 set	1
Oscilloscope	-	3 units	3
pendulum		pc	1
Pendulum clamp		pcs	10
Photometer	-	2 pcs	2
Physics Chart with Tripod	-	1 pc	1
Platform Balance	-	7 units	7
Polarizer Disc	-	2 pcs	2
Projectile Gun, steel	-	5 pcs	5
Pycnometer	-	6 pcs	6
Rectilinear Motion Apparatus	-	1 pc	1
Regulated Power supply	-	2 units	2
Soldering Gun	-	1 pc	1
Spherometer	-	1 pc	1
Steam generator	-	2 pcs	2
Vernier Caliper	-	2 pcs	2
Voltmeter	-	9 unit	9
Voltmeter	-	1 unit	1
Weighing Balance (Newton)	-	2 units	2
Young Modulus apparatus	-	1 unit	1

B2. List of fabricated tools and apparatuses, including relevant information

**NOT APPLICABLE**

B.3. List of fabricated equipment with patent (state patent number), if any

**NOT APPLICABLE**