

### Instrument Repair Programme of NITUB

Period: January to December- 2019

Sl. no	Name of Instrument	Manufacturer	Model	Name of Institution	Nature of fault of instrument	Non-functioning/unpacked since	Repaired /fault detected by NITUB on	Book value (TK)
01	Heating Mantle	Glassco.uk	509.303.07	Dept. of Pharmacy GonoBishwabidyalaySavar, Dhaka	Heating coil problem. Replace & Servicing	2 months	24.01.19	45000
02	Heating Mantle	Glassco.uk	509.303.06	Dept. of Pharmacy GonoBishwabidyalaySavar, Dhaka	Heating coil problem. Replace & Servicing	1 month	28.03.19	45000
03	Incubator	Thermo	370	Department of Microbiology, BUHS Dhaka	Sensor has faulty. Replace & Servicing	6 months	27.02.19	350000
04	Centrifuge	Digisystem	DSC-158T	Department of Pharmacology, BUHS Dhaka	Rotary Motor has faulty. Repair & Servicing	3 months	07.03.19	50000
05	CH <sub>2</sub> /CO <sub>2</sub> Meter	Columbus Instruments	PGM CO <sub>2</sub> /CH <sub>2</sub>	Department of soil, water & Environment University of Dhaka	Power Unit has faulty. Replaced a Power Unit and servicing.	3 months	28.02.19	250000
06	Centrifuge	MSC	Mistral 1000	Department of Microbiology, University of Dhaka	Power Switch has faulty. Replaced a Power Switch and servicing..	1 month	26.02.19	375000
07	Balance	AND	HR200	Department of Microbiology, University of Dhaka	Power Adopter has faulty. Repair Adopter and servicing.	3 months	26.02.19	250000
08	Spectrophotometer	PG Instrument	T-60	Department of Agri Chemistry	Power Supply Unit has faulty. Repair Power Supply Unit and servicing.	1 years	03.03.19	575000
09	Heating Mantle	Glassco.uk	509.303.06	Dept. of Pharmacy GonoBishwabidyalaySavar, Dhaka	Heating coil problem. Replace & Servicing	3 months	28.03.19	45000
10	Heating Mantle	Glassco.uk	509.303.05	Dept. of Pharmacy GonoBishwabidyalaySavar, Dhaka	Heating coil problem. Replace & Servicing	2 months	28.03.19	45000

11	Heating Mantle	Glassco.uk	509.303.05	Dept. of Pharmacy GonoBishwabidyalaySavar, Dhaka	Heating coil problem. Replace & Servicing	2 months	28.03.19	45000
12	Spectrophotometer	Optima	721B	Dept. of Pharmacy Daffodil International University	Display circuit has faulty. Repair circuit and servicing.	3 months	14.03.19	435000
13	Centrifuge	HermleLabortechnik	Z 36 HK	CARS, University of Dhaka	Lid motor circuit has faulty Repair and Servicing	1 year	16.04.19	550000
14	Centrifuge	Hettich	M1 KRO 1201	CARS, University of Dhaka	Lid motor has faulty Repair and Servicing	3 months	15.03.19	750000
15	Sonicator	Elma	S 40 H	Shrimp Research Station, BFRI, Bagerhet	Mother board has faulty. Repair M. board and servicing.	6 months	09.04.19	50000
16	Gel Doc Power Supply	BIO-RAD	Powerpac Basic	Department of Microbiology University of Dhaka		1 month	15.04.19	250000
17	VIS Spectrophotometer		721 B	Daffodil International University, Department of Nutrition Food Engineering.	Electronic board repair, Replace halogen lamp	6 months	09.06.19	245000
18	Ultra Sonic Bath	Germany	D-78224	Shrimp Research Station, BFRU, Bagerhat-9300	Repair ckt , but PCB damage	1 month	03.05.19	50000
19	Autoclave	China		Department of Microbiology, BUHS university.	Heating coil replaced	3 months	13.06.19	50000
20	Oscilloscope	MCP-	CQ 620	Department of Electrical and Electronic Engineering University of Dhaka.	Power supply unit has to replaced	5 months	29.07.19	225000
21	Oscilloscope	GWINSTEK	GOS 620	Department of Electrical and Electronic Engineering University of Dhaka.	Could not be repaired due to non-availability of spare parts	3 months	29.07.19	250000
22	Laminar flow	LABCAIRE	PCR-6	Department of Zoology, Genetics Branch, University of Dhaka	Check the all power supply unit. Door Switch problem & solved	6 months	25.07.19	450000
23	Spectrophotometer	Hach	DR/300	Department of Zoology, Genetics Branch, University of Dhaka	Lamp is broken	1 month	25.07.19	550000
24	Spectrophotometer	Helios Germany	Thermo Spectromic	Department of Zoology, Genetics Branch, University of Dhaka	Need RS-232 cable	3 months	25.07.19	350000
25	Incubator	Thermo 370		Department of Microbiology , BUHS university .	Aline the controller	1 years	30.07.19	350000

26	Autoclave	China		Department of Microbiology , BUHS university .	Replace the new presser valve and repaired	8 months	30.07.19	70000
27	Spectrophotometer( UV-Vissible)	PG Instrument	T60U	Millat Pharmaceuticals ltd, Postogola,Dhaka	Need software	10 months	31.07.19	450000
28	AAS	GBC scientific ,Austrila	PL/MQ-004	Millat Pharmaceuticals ltd, Postogola,Dhaka	Connect the printer	1 year	31.07.19	750000
29	HPLC-VP	SHIMADZU	LC-10,AT-VP	Millat Pharmaceuticals ltd, Postogola,Dhaka	Try to fix the printer	3 months	31.07.19	850000
30	FTIR- Spectrophotometer	SHIMADZU	IR- Iffinity-1	Millat Pharmaceuticals ltd, Postogola,Dhaka	Priter is connected	1 years	31.07.19	850000
31	UV-Visible Spectrophotometer	shimadzu	UV-1280	Department of Chemistry, Jagannath University, Dhaka	UV lamp circuit has faulty. After collect circuit we can fix it.	3 months	22.09.19	540000
32	Oven	China	C-400	Department of Microbiology University of Dhaka	Temp. Sensor has faulty. Repair and servicing.	6 months	15.09.19	150000
33	Incubator	Binder	B=28	Department of Microbiology University of Dhaka	Power supply unit repair and servicing	1 months	15.09.19	450000
34	pH Meter	Hanna Instrument	HI 2211	Department of Microbiology University of Dhaka	Calibration and servicing	3 months	15.09.19	250000
35	Spectrophotometer	PS	T-80	Department of Microbiology University of Dhaka	Cleaning and Servicing	1 months	15.09.19	550000
36	Trinocular Microscope	Micros-Austria	MCX-100	Department of Microbiology HSTU, Dinajpur	Lamp has broken. Replace a lamp and servicing	3 months	01.10.19	550000
37	Thermal Cyler	Gane	GS-1	Department of Microbiology HSTU, Dinajpur	Cleaning and Servicing	6 months	01.10.19	550000
38	Gel Documentation	France	-	Department of Microbiology HSTU, Dinajpur.	Repair and servicing	3 months	01.10.19	650000
39	Microscope camera	Cannon	Power Shot G12	Department of Microbiology HSTU, Dinajpur.	Cleaning and Servicing	6 months	01.10.19	550000
40	Compound Microscope No.1	Micros Austria	-	Department of Microbiology HSTU, Dinajpur	Lamp has broken. Replace a lamp and servicing	1 month	01.10.19	150000

41	Compound Microscope No.2	Micros Austria	-	Department of Microbiology HSTU, Dinajpur	Lamp has broken. Replace a lamp and servicing	3 months	01.10.19	150000
42	Compound Microscope No.3	Micros Austria	-	Department of Microbiology HSTU, Dinajpur	Lamp has broken. Replace a lamp and servicing	1 years	01.10.19	150000
43	Compound Microscope No.4	Micros Austria	-	Department of Microbiology HSTU, Dinajpur	Lamp has broken. Replace a lamp and servicing	8 months	01.10.19	150000
44	Elisa Micro plate reader	DAS	TIPOA-3	Department of Microbiology HSTU, Dinajpur	Cleaning and Servicing	6 months	01.10.19	550000
45	Freezer-40C	Arctiko	UPL TF-275	Department of Microbiology HSTU, Dinajpur	Repair and servicing. Freezer running	1 year	01.10.19	850000
46	Fluorescence microscope	Zeiss	AX-10	Department of Microbiology HSTU, Dinajpur	Solve the software problem	3 months	01.10.19	750000
47	Centrifuge	nuve	NF 400R	Department of Microbiology HSTU, Dinajpur	Cannot repair due to special tools	1 year	01.10.19	450000
48	Digital Temperature Meter-2	-	-	Department of Microbiology HSTU, Dinajpur.	Battery & sensor problem	3 months	01.10.19	150000
49	Microscope	China	-	Department of Microbiology HSTU, Dinajpur.	Fuse & fuse holder replaced	6 months	01.10.19	90000
50	Microscope	Olympus, japan	DP20	Department of Microbiology HSTU, Dinajpur	Interfacing with computer	1 month	01.10.19	150000
51	Compound Microscope	-	-	Department of Microbiology HSTU, Dinajpur	Power supply problem	3 months	01.10.19	150000
52	Escape Microscope	-	LED 144s	Department of Microbiology HSTU, Dinajpur	Interfacing with computer, camera driver	1 month	01.10.19	300000
53	pH meter	-	PHS-24	Department of Microbiology HSTU, Dinajpur	Fuse replace	3 months	01.10.19	150000
54	Dissolved oxygen	Hanna	-	Department of Microbiology HSTU, Dinajpur	Checked & battery problem	5 months	01.10.19	175000
55	Stirring Heating plate	UK	CD-162	Dept. of Chemistry, Shah Jalal University of Science & Technology. Sylhet.	Substitute the Protection Fuse	3 months	28.12.19	150000
56	Water Bath	BUCHI	RE-11	Dept. of Chemistry, Shah Jalal University of Science & Technology. Sylhet.	Servicing & set the resistor	6 months	28.12.19	450000

57	Balance	EYELA	MMS-300	Dept. of Chemistry, Shah Jalal University of Science & Technology. Sylhet.	Check the connection, adjust light source & servicing	1 month	28.12.19	320000
58	Stirring Heating Plate	BUCHI	CD-162	Dept. of Chemistry, Shah Jalal University of Science & Technology. Sylhet.	Substitute the Electric feed cable.	2 months	28.12.19	120000
59	Centrifuge	Labarota	4003	Dept. of Chemistry, Shah Jalal University of Science & Technology. Sylhet.	Replaced a Power Switch & fixed control regulator and servicing.	1 years	29.12.19	485000
60	Stirring Heating Plate	Heidelp	CD-162	Dept. of Chemistry, Shah Jalal University of Science & Technology. Sylhet.	Replaced a Power cable and servicing..	8 months	29.12.19	285000
61	pH Meter	Labarota	4003	Dept. of Chemistry, Shah Jalal University of Science & Technology. Sylhet.	Replaced a Power Switch and clean the electrode .	10 months	29.12.19	250000
62	Heating Mantle	UK	Can No HM, 500C	Dept. of Chemistry, Shah Jalal University of Science & Technology. Sylhet.	Installed replacement parts & servicing	1 year	30.12.19	65000
63	Vacuum Motor	USA	L-79200-35	Dept. of Chemistry, Shah Jalal University of Science & Technology. Sylhet.	Repair& servicing	3 months	30.12.19	250000
64	Melting point Apparatus	ColumburInstrumetn	Rocker 300	Dept. of Chemistry, Shah Jalal University of Science & Technology. Sylhet.	Repair &servicing	1 year	30.12.19	350000
65	Vacuum motor	EYELA	RE 3022C	Dept. of Chemistry, Shah Jalal University of Science & Technology. Sylhet.	Repair power switch & servicing	3 months	01.01.20	200000
66	Vacuum Motor	New Brunshing	115	Dept. of Chemistry, Shah Jalal University of Science & Technology. Sylhet.	Change capacitor, servicing power feed	6 months	01.01.20	250000
67	Melting point Apparatus	Germany	-	Dept. of Chemistry, Shah Jalal University of Science & Technology. Sylhet.	Check, fixing glass& Servicing	1 month	01.01.20	350000
68	Refrigerator	SpectremicGen sys 5	336001	Dept. of Chemistry, Shah Jalal University of Science & Technology. Sylhet.	Check &Servicing	6 months	01.01.20	150000
69	Colorimeter	American Optical	Multy Head	Dept. of Chemistry, Shah Jalal University of Science & Technology. Sylhet.	Check &Servicing ,Sensor not available	1 month	02.01.20	50000

70	Colorimeter	American Optical	Multy Head	Dept. of Chemistry, Shah Jalal University of Science & Technology. Sylhet.	Check & Servicing	6 months	02.01.20	50000
71	Refract meter	England	509.303.06	Dept. of Chemistry, Bangladesh Petroleum Exploration and Production Company. Dhaka	Cleaning & servicing	5 months	02.01.20	145000
72	Vacuum Pump	SHIMADZU	RE 3022C	Dept. of Chemistry, Shah Jalal University of Science & Technology. Sylhet.	Fixing switch & Servicing	3 months	02.01.20	250000
73	Hot plate Magnetic Stirrer	AND	CD-162	Dept. of Chemistry, Shah Jalal University of Science & Technology. Sylhet.	Activate the heating function & servicing	6 months	02.01.20	250000
74	Electronic Balance	-	KD-BN	Dept. of Chemistry, Shah Jalal University of Science & Technology. Sylhet.	Replace Battery & Servicing	1 month	28.12.19	250000
75	Hot Plate	-	-	Dept. of Chemistry, Shah Jalal University of Science & Technology. Sylhet.	Check & repaired	3 months	28.12.19	125000
76	Heating Mantle	-	-	Dept. of Chemistry, Shah Jalal University of Science & Technology. Sylhet.	Replace coil & Servicing	1 years	28.12.19	50000
77	Oven	Conventional	CD-162	Dept. of Chemistry, Shah Jalal University of Science & Technology. Sylhet.	Change switch & coil repaired	8 months	29.12.19	150000
78	Heating Mantle	-	-	Dept. of Chemistry, Shah Jalal University of Science & Technology. Sylhet.	Replaced heating coil and servicing.	6 months	29.12.19	50000
79	Hot Plate Oven	-	-	Dept. of Chemistry, Shah Jalal University of Science & Technology. Sylhet.	Replaced a Power cable and servicing..	1 year	30.12.19	250000
80	Measuring Amplifier	LEYBOLD	53200	Dept. of Chemistry, Shah Jalal University of Science & Technology. Sylhet.	Power supply section repaired & servicing.	3 months	31.12.19	150000
81	Vortex	Taiwan	VM-2000	Dept. of Chemistry, Shah Jalal University of Science & Technology. Sylhet.	Substitute the Protection Fuse	1 years	28.12.19	250000
82	Magnetic Stirrer hot Plate	UK	6K 68925	Dept. of Chemistry, Shah Jalal University of Science & Technology. Sylhet.	Servicing & set the resistor	3 months	28.12.19	160000

83	Power supply	EVER Bedqiu	S/n 92862	Dept. of Chemistry, Shah Jalal University of Science & Technology. Sylhet.	Check the connection, adjust light source & servicing	6 months	28.12.19	150000
84	Oven	HZ industried, Korea	KSC-4613	Dept. of Chemistry, Shah Jalal University of Science & Technology. Sylhet.	Substitute the Electric feed cable.	1 months	29.12.19	450000
85	Rotary Vacuum Pump	China	TW-115	Dept. of Chemistry, Shah Jalal University of Science & Technology. Sylhet.	Replaced a Power Switch & fixed control regulator and servicing.	3 months	29.12.19	250000
86	Oven	Binder	RE-53	Dept. of Chemistry, Shah Jalal University of Science & Technology. Sylhet.	Replaced a Power cable and servicing..	1 months	30.12.19	550000
87	Magnetic Stirrer	UK	Gallsamp	Dept. of Chemistry, Shah Jalal University of Science & Technology. Sylhet.	Repaired & Servicing	3 months	31.12.19	350000
88	Balance	Shimazu	TX-223L	Dept. of Chemistry, Shah Jalal University of Science & Technology. Sylhet.	Servicing	5 months	31.12.19	250000
89	Centrifuge	HermleLabortechnikgmbh	Z216MK	Dept. of Chemistry, Shah Jalal University of Science & Technology. Sylhet.	Replace & servicing	2 months	31.12.19	450000
90	Incubator	-	DMP-9052	Dept. of Chemistry, Shah Jalal University of Science & Technology. Sylhet.	Replace & servicing	6 months	01.01.20	550000
91	Human Humalyzer Junior	German	j-180	Dept. of Chemistry, East West University,Dhaka	Servicing & repaired	1 month	02.01.20	390000
92	Vortex machine	Stuart	Cat no-SA8	Dept. of Chemistry, East West University,Dhaka	Clean & Servicing	3 months	02.01.20	250000
93	Digital Balance	UK	FA-224	Department of Genetic Engineering ,Shah Jalal University of Science & Technology. Sylhet.	Place the balance on Zero; repeat the measurement.	1 years	28.12.19	250000
94	Incubator	BUCHI	RE-11	Department of Genetic Engineering ,Shah Jalal University of Science & Technology. Sylhet.	Check & adjust temperature control	8 months	28.12.19	480000
95	Oven	-	-	Department of Genetic Engineering ,Shah Jalal University of Science & Technology. Sylhet.	Check the connection, adjust light source & servicing	10 months	28.12.19	420000

96	Water Bath	-	M-1502	Department of Genetic Engineering ,Shah Jalal University of Science & Technology. Sylhet.	Substitute temperature control	1 year	28.12.19	140000
97	Centrifuge machine	Labarota	4003	Department of Genetic Engineering ,Shah Jalal University of Science & Technology. Sylhet	Verify the power supply and servicing.	3 months	29.12.19	450000
98	Vortex Mixture	Heidelph	CD-162	Department of Genetic Engineering ,Shah Jalal University of Science & Technology. Sylhet	Replaced a Power cable and servicing..	2 years	29.12.19	150000
99	Magnetic Stirrer	Labarota	4003	Department of Genetic Engineering ,Shah Jalal University of Science & Technology. Sylhet	Substitute the Electric feed cable	6 months	29.12.19	150000
100	Hot Plate Stirrer	-	-	Department of Genetic Engineering ,Shah Jalal University of Science & Technology. Sylhet	Installed replacement parts & servicing	6 months	30.12.19	250000
101	Ultra Sonic Homogenizer Sonicator	USA	L-79200-35	Department of Genetic Engineering ,Shah Jalal University of Science & Technology. Sylhet	Check & Replace electrical power	1 month	30.12.19	450000
102	Inverted Microscope	USA	Model-131	Department of Genetic Engineering ,Shah Jalal University of Science & Technology. Sylhet.	Replace the switch & Servicing	3 months	30.12.19	150000
103	Microscope	USA	PKJ-4	Department of Genetic Engineering ,Shah Jalal University of Science & Technology. Sylhet.	Replace the light & aligned	1 month	31.12.19	175000
104	Thermo Cycler Machine	-	Ph-33	Department of Genetic Engineering ,Shah Jalal University of Science & Technology. Sylhet	Check, substitute the fuse & servicing	3 months	31.12.19	350000
105	pH Meter	Germany	Ph-33	Department of Genetic Engineering ,Shah Jalal University of Science & Technology. Sylhet	Replace the Battery & Servicing	4 months	31.12.19	250000
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**Total book value BD Taka 31,365,000.00 = U.S.\$ 3,74,507.00**