

**Bharatiya Jain Sanghatana's Arts Science and Commerce College
Wagholi Pune – 412207**

4.1.1 - The Institution has adequate infrastructure and physical facilities for teaching- learning, classrooms, Viz laboratories, computing equipments, etc.

List of Instruments/Equipments**1. Department of Geography**

Sr.No	Name of the Instruments	Quantity
1	Water & Soil Analysis Kit	01
2	Measuring Tape- Fibber Glass 50 & 30 Meters	04
3	Globe	03
4	Hair Hygrometer 85 mm dia	01
5	Aneroid Barometer (Barigo) German Made	01
6	Thermo-Hygro-Barometer Combined (Barigo) Germany (Weather Station)	01
7	Aneroid Barometer Demonstration type	01
8	Maximum & minimum Thermometer C & F Combined Zeal U. K. made	01
9	Maximum & minimum Thermometer C & F Combined Zeal Indian made	01
10	Dry & Wet bulb Thermometer C & F Combined Zeal U. K. made	01
11	Dry & Wet bulb Thermometer C & F Combined Zeal Indian. made	01
12	Wall Thermometer C & F Combined Zeal U. K. made	01
13	Alidade (Sight vane) Brass in a Wooden case 24"	01
14	Alidade (Sight vane) Brass in a Wooden case 18"	01
15	Alidade (Sight vane) but full Brass as per ISI speciation heavy size 60 cm	01
16	Alidade (Sight vane) but Wooden with graduated plastic edge in box 60 cm	01
17	Venire Transit Theodolite as per ISI Specification Complete with optical plummet and aluminum stand	01
18	Prismatic compass with Indian pattern with aluminum stand (made of brass) size 4", size 5" Dia , Size 6" Dia	01



19	Prismatic compass with N.I.L. pattern gunmetal with aluminum stand	01
20	3 D raised Relief Model/ Map of Maharashtra 75*100 cm with frame	01
21	Agriculture Atlas of India	01
22	75*100 cm with plastic roller Indian Maps	13
23	75*100 cm with plastic roller World Maps	08
24	75*100 cm with plastic roller Asia Maps	08
25	75*100 cm with plastic roller Maharashtra Maps	02
26	75*100 cm with plastic roller Pune Map	01
27	Computer	01
28	CCTV	01

2. Department of Zoology

Sr.No	Name of the instrument/Equipment	Quantity
1	Compound microscope	19
2	Dissecting microscope	16
3	Binocular microscope	01
4	Monocular microscope	01
5	Incubator	01
6	Oven	01
7	Microtome machine	01
8	Electrophoresis	01
9	pH meter	01
10	High Speed Homogenizer	01
11	Soxlet Apparatus	02
12	Water bath	01
13	Weighing balance	01
14	Sphygmomanometer	01
15	Water bath	01
16	Weighing balance	01
17	Bee Hive	01
18	Langstroth Hive Box	01
19	Haemocytometer	04
20	Haemoglobin meter	05
21	Laminar Flow	01
22	Stage Micrometer	12
23	Ocular Micrometer	12
24	Micro pipettes	04



25	Printer	01
26	Computer	02
27	CCTV	01
28	LCD	01
29	OHP	01

3. Department of Botany

Sr.No	Name of the instrument/Equipment	Quantity
1	Dissecting Microscope	11
2	Binocular Microscope	
3	Auto Clave	1
4	Budding Unief	5
5	Grafting Unief	1
6	Computer	1
7	Printer	1
8	Secautor	3
9	Dissection Box	2
10	Hand Gloves	5 Pair
11	Herbarium Cabinet	1
12	Praining Shear	1
13	Pointer Eye Piece	1
14	Soil Thermometer	1
15	Mixer	1
16	Vasculum	1
17	Wind Van	1
18	Wooden Press	1
19	Inoculator Chamber	1
20	Digital Elec Balancet	1
21	Tilau Air Sampler	1
22	ARC Auxanometer	1
23	Bio visual Chart	86
24	Permanent Slide	100
25	Specimen bottle	40
26	Models(Flower,pl.cell,Animal Cell, DNA)	4
27	Cup Anemometer	1
28	Dropper with rubber bulb	12
29	CCTV	1
30	LCD	1
31	UPS	1



4. Department of Chemistry

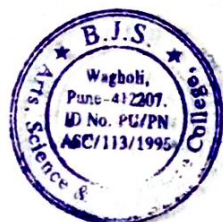
Sr.No	Name of Equipments	Quantity
01	Conductivity meter	05
02	Magnetic Stirrer+ Needle with Hot Plate	10
03	pH Meter	06
04	pH Meter +Pen	19
05	Potentiometer	07
06	Platinum Electrode	09
07	Calomel Reference Electrode	17
08	Succession / Vacuum pump	05
09	Infra-Red Lamp/Bulb	03
10	Salt Bridge tube	12
12	Refractometer	03
13	Balance (Single pan/High precision/Analytical)	06
15	pH Electrode (Glass Electrode)	06
18	Colorimeter	11
19	Thermostat	01
20	Melting Point Apparatus	02
21	Water bath (Six Basket)	01
22	Hair Dryer	01
23	Heating Mantle	04
24	Silver Electrode	06
26	Water And Soil Analysis	01
27	Digital Spectrometer	02
30	Conductivity Cell	03
31	LG Microwave	01
35	Nitrogen Cylinder with accessories	01
36	U.V. Cabinet	01
37	Over Head Stirrer	02
38	Laboratory Jack 8'' x 8''	01
39	Rota Evaporator (Digital)	01
40	Deep Freezer/ Freeze	02
43	Digital Flame Photometer	01
44	Microwave (IFB MW) 25SC3	01
45	Visi Cooler	01



46	G M Counter with B-Source	01
48	Miscellaneous Material a) Adaptor, b) P.M. Driver ,c) Solder Gun,d) Tester	1,1, 1,1
49	Scientific Calculator	01
50	Muffle Furnace Digital	02
51	Fire Extinguisher	16
52	Gas Pipe Cutter	01
53	Photoflurometer (Digital)	01
54	Printer	01
55	Computer	07
56	CCTV	08
57	UPS	07
58	Photo Chemical Reactor	01
59	Hot Air Oven	01
60	Hydrothermal Reactor	02
61	Sonicator	01
62	Hot Plate with stirrer	02
63	Centrifuge Machine	01
64	Water Distillation Unit	01
65	Angel Head (8*15ml)	01
66	Angel Head (4*50ml)	01
67	U.V. Cabinet	01
68	Heating Mental	01
69	U.V. Tube Short/Long Wave	01,01
70	ICE Cube Machine	01
71	Hot Air Oven	01

5. Department of Physics

Sr.No	Name of the Instruments	Quantity
1	Resistor	10
2	Diode	12
3	Transistor	10
4	Banana Socket	50
5	Solder Wire	6
6	Capacitor	12
7	Metal Gun	1
8	Banana Pins	50



		5
9	Crocodile Pins	10
10	Transformer	100
11	Wire Red/Black	0
12	Head Phone	1
13	Analog Multimeter	20
14	Digital Multimeter	2
15	Dimmerstat	3
16	Signal Generator	10
17	Prism	1
18	Reading Telescope	3
19	Sodium Lamp	6
20	Mercury Lamp	4
21	Spectrometer	5
22	Ammeter	5
23	Milliammeter	5
24	Microammeter	5
25	Voltmeter	3
26	Solar Cell with Stand	3
27	Cathod Ray Oscilloscope (CRO)	2
28	Sim son Analo , Multimeter-260	1
29	Galvanometer	20
30	Micrometer Screw Gua Ye	2
31	0 tical Bench Double ROD (Metal	2
32	GratinT, Element Indian	20
33	Vernier Calliper	4
34	Travellinz Microscope	12
35	Stop Watch	3
36	Bar Magnet	10
37	Wooden Scale(1 Meter)	5
38	Power Supply	2
39	Capillaries Set Oh Three With Metal Body	10
40	Resistance Box	1
41	Stroboscope	2
42	Polaride	1
43	Solenoid	4
44	Biprism	10
45	Set of Weights	1
46	Tester	



47	Level Bottle	10
48	Zener Diode	12
49	9 V Battery	5
50	Table Lamp	6
51	Lamp & Scale Arrangement	2
52	Spanner	1
53	Printed Circuit Board(PCB)	6
54	Inductor	2
55	Charts	9
56	Zone Plate	1
57	U-Tube	2
58	Magnifying Glass	6
59	Connecting wires	20
60	Globe	1
61	Goniometer	1
62	Screwdriver Set	1
63	Electrical Drill Machine	1
64	Hammer	1
65	Wire Cutter	1
66	Player(Pakkad)	1
67	Winchester Bottle(5 lit. Soda Glass)	2
68	Steam Boiler Copper Bottle	2
69	Blower	1
70	Polarimeter Tube	2
71	Solder Wire	2
72	Integrator Circuit(IC)	6
73	DC Power Supply	5
74	Laser	10
75	Thermocouple	2
76	Thermistor	2
77	Capillary Set	3
78	Extention Board	3
79	Rubber Tube 6mm/8mm (Silicon)	1
80	Moment of Inertia Disc & Ring	4
81	Frequency of AC Mains By Vibrating Wire	2
82	Surface Tension By Jaegers Method	1
83	Thermal Conductivity By Lee's Method	2
84	G By Resonance Pendulum Keters & Simple Pendulum	1



85	Logic Gates (Demorgance Theorem)	2
86	Neton's Ring	2
87	Poisson's Ratio By Rubber Chord Method	1
88	Viscosity By Poisullie's Method	1
89	Moment of Interia By Fly Wheel	1
90	Log Decrement	2
91	Charging & Discharging of Capacitor	3
92	Study of Temperature Coefficient of Resistance	2
93	Kirchhoff's Laws with Poer Supply	3
94	Study of Photo Resistance (LDR Complete Set)	1
95	Input & output Characteristics of Transistor	3
96	Sin gle Stage Transistor Amplifier Kit	2
97	Diode as Rectifier	2
98	Nortons & Thevenins Theorm (Circuit Theorm)	3
99	Quinke's Method	1
100	Determination of Y & n By Series Method	2
101	Coupled Oscillations	2
102	LCR Circuit Board	2
103	Stroboscope With Digital Tachometer	1
104	Ruben's Flame Method	1
105	B.H.Curve By Anchor Ring Method	1
106	Transistor Characteristics in CE Configuration	1
107	Study of Rectifier Full Wave & Half Wave Circuit Board	1
108	PN Junction Diode Characteristics Board	3
109	Specific Heat of Graphite	2
110	Operational Amplifier (OPAM Kit)	2
111	Uni-junction Transistor (UJT Kit)	2
112	Directional Characteristics of Microphone	1
113	Optical Activity of Sugar Solution	2
114	Half Effect Apparatus with Gauu Meter	1
115	Study of Oscillations under Gravitational &Magnetic Field	1
116	Measurement of Coefficient of Absorption of Sound For Differnet Material	2
117	Study bof Coupled Oscillation	1
118	Refraction & Total internal reflection glass slab & prism and LASER	2
119	Mirror	1
120	Weighing Balance	1
121	IV Characteristics of Transistor	1
122	Magnetic Stirrer with arrangement	2



123	Digital pH Meter	1
124	Jack	2
125	Multimeters & Temp humidity light, Sound Level meter tester	4
126	Four Probe Method Apparatus	1
127	Potetiaostat	1
128	Astronomical telescope	1
129	Computer	7
130	LED Board	1
131	Printer	1

6. Department of BCA Science

Sr.No	Name of the Instruments	Quantity
1	Computers	51
2	Printer	1
3	Laptops	2
4	AC	4
5	LCD Projector	1
6	Dot Matrix Printer	1
7	Fan	8
8	Wifi Router	1

7. Department of BBA(CA)

Sr.No	Name of the Instruments	Quantity
1	Computers	51
2	Dot Matrix	2
3	HP Laser Jet Printer	1
4	Laser Printer	1
5	CCTV Cameras	4
6	LCD Projectors View Sonic	1
7	AC	4



8	WIFI Routers	1
---	--------------	---

8. Central Library Instruments

Sr.No	Name of the Instruments	Quantity
1	Wooden shelf (for storing books)	02
2	Book Case (Godrej Cupboard Steel for storing books)	21
3	Staff table	01
4	Librarian's Table	01
5	Plastic Chairs	80
6	fans (Ceiling)	10
7	Book Stack (Godrej Steel) Large	03
8	Book Rack (New)	04
9	Fire Extinguisher	01
10	Photos of great Person	16
11	Tube light	12
12	Bulb (large)	06
13	Wall fan	01
14	File drawer Steel	01
15	Computer desk	01
16	Cupboard Large (Godrej)	01
17	Printer (laser)	01
18	Barcode printer	01
19	UPS	03
20	Computer	06
21	New Arrival Board	01
22	Periodical Rack (Steel)	01
23	Magazine Rack (Glass)	01
24	Notice board	02
25	Newspaper stand	07
26	I-Card Printer	01
27	Complaint box	01
28	Cuisine chair	10
29	Office chair	01
30	CCTV cameras	02


offg Principal
 Bharatiya Jain Sanghatana's
 Art, Science & Commerce College
 Wagholi Pune-412207