

DR. KANAILAL BHATTACHARYYA COLLEGE

DEPARTMENT OF ZOOLOGY

The department of Zoology has spacious,well equipped laboratories with abundant natural light ,boards,instruments,chemicals,sufficient number of LED lights,fans,comfortable sitting arrangement , wash basins,soaps,sanitizers for productive practical work.The department maintains a museum with a good specimen collection which is being expanded every year.

The assets of the laboratory includes the following :



LIST OF INSTRUMENTS

SL NO	INSTRUMENTS	UNIT	MODULES
1	Analytical Balance and weight box	1 Pc	➤ Stock
2	Agarose gel electrophoresis apparatus	1 Pc	➤ Molecular Biology Lab ZOOA-CC-1-1-P
3	Autoclave	2 Pc	➤ Animal Cell Biotechnology Lab, ZOOA-DSE(A)-6-1-P ➤ Instrumentation Paper 8
4	Binocular	2 Pcs	➤ Ecology Lab,ZOOA-CC5-11-P ➤ Animal Behaviour and Chronobiology Lab, ZOOA-DSE(B)-6-1-P ➤ Ecology& Wild life Biology;ZOOG-DSE-B-6-2-P ➤ Report on Environmental audit PAPER 8 ➤ Field work assessment PAPER 8

			<ul style="list-style-type: none"> ➤ ZOOG PAPER IV Group – D. (Course No.ZG-11)
5	Biology Box	1 Pc	<ul style="list-style-type: none"> ➤ Non-Chordates II Lab, ZOOA-CC-2-3-P ➤ Cell Biology Lab; ZOOA-CC-2-4-P ➤ Chordata Lab; ZOOA-CC-3-5-P, ➤ Animal Diversity, ZOOG-CC1-1-P ➤ ZOOA Animal forms & comparative anatomy PAPER 2, UNIT II ➤ ZOOG Paper III.(Course No. ZG 07)
6	Centrifuge	2 Pcs	<ul style="list-style-type: none"> ➤ Molecular Biology Lab ZOOA-CC-1-1-P ➤ Animal Biotechnology Lab, ZOOA-DSE(A)-6-2-P ➤ ZOOA Molecular Biology PAPER 7 ➤ ZOOA Instrumentation Paper 8

7	Colorimeter	2 Pcs	<ul style="list-style-type: none"> ➤ Fundamentals of Biochemistry Lab; ZOOA-CC-7-3-P ➤ Animal Physiology and Biochemistry PAPER IV Unit II ➤ Instrumentation Paper 8
8	Compound Microscope	6 Pcs	<ul style="list-style-type: none"> ➤ Non-Chordates I Lab; ZOOA-CC-1-1-P ➤ Molecular Biology Lab ZOOA-CC-1-1-P, ➤ Cell Biology Lab; ZOOA-CC-2-4-P, ➤ Comparative Anatomy of Vertebrates Lab; ZOOA-CC4-8-P ➤ Immunology Lab ZOOA-CC4-10-P, ➤ Animal Physiology: Life Sustaining Systems Lab; ZOOA-CC4-9-P ➤ Developmental Biology Lab; ZOOA-CC6-13-P, ➤ Parasitology Lab, ZOOA-DSE(A)-5-1-P, ➤ Endocrinology Lab, ZOOA-DSE(B)-5-1-P ➤ Comparative Anatomy & Developmental Biology Lab, ZOOG-CC2-2-P, ➤ PHYSIOLOGY AND BIOCHEMISTRY Lab; ZOOG-CC3-3-P

			<ul style="list-style-type: none"> ➤ Applied Zoology. ZOOG-DSE-A-5-1-P ➤ Immunology Paper 7 ➤ ZOOA Cytological methods & Genetics PAPER II Unit II ➤ ZOOA Osteology & Embryology PAPER II Unit II ➤ ZOOG PAPER III(Course No. ZG 07)
9	Digital pH meter	2 Pcs	<ul style="list-style-type: none"> ➤ Ecology Lab, ZOOA-CC5-11-P, ➤ Ecology& Wild life Biology;ZOOG-DSE-B-6-2-P ➤ Ecological methods ZOOA PAPER 4, UNIT II ➤ ZOOAInstrumentation Paper 8 ➤ ZOOG PAPER IV Group – D. (Course No.ZG-11)

10	Digital Balance	1 Pc	<ul style="list-style-type: none"> ➤ Molecular Biology Lab; ZOOA-CC-1-2-P ➤ Cell Biology Lab; ZOOA-CC-2-4-P ➤ Animal Physiology: Controlling & Coordinating Systems, Lab;ZOOA-CC3-6-P ➤ Fundamentals of Biochemistry Lab ZOOA-CC-7-3-P ➤ Endocrinology Lab, ZOOA-DSE(B)-5-1-P ➤ ZOOA Instrumentation Paper 8
11	Dissecting binocular	6 Pcs	<ul style="list-style-type: none"> ➤ Non-Chordates II Lab, ZOOA-CC-2-3-P ➤ Cell Biology Lab; ZOOA-CC-2-4-P
12	Dissecting binocular with light	1 Pc	<ul style="list-style-type: none"> ➤ Molecular Biology Lab ZOOA-CC-1-2-P, ➤ Cell Biology Lab; ZOOA-CC-2-4-P, ➤ Animal Physiology: Controlling & Coordinating Systems, Lab;ZOOA-CC3-6-P, ➤ Immunology Lab; ZOOA-CC4-10-P, ➤ Parasitology Lab, ZOOA-DSE(A)-5-1-P ➤ PHYSIOLOGY AND BIOCHEMISTRY Lab

			<p>ZOOG-CC3-3-P</p> <p>➤ ZOOA Immunology Paper 7</p>
13	Digital meter for measuring Blood pressure		<p>➤ Animal Physiology: Life Sustaining Systems Lab; ZOOA-CC4-9-P</p>
14	Hemocytometer	1 Pc	<p>➤ Animal Physiology: Life Sustaining Systems Lab; ZOOA-CC4-9-P</p> <p>➤ ZOOA Animal Physiology and Biochemistry PAPER 4, UNIT II</p>
15	Hot plate	1 Pc	<p>➤ Animal Physiology: Controlling & Coordinating Systems, Lab; ZOOA-CC3-6-P</p> <p>➤ Endocrinology Lab, ZOOA-DSE(B)-5-1-P</p> <p>➤ ZOOA Histological techniques and staining methods Paper 7</p>
16	Incubator	1 Pc	<p>➤ Animal Cell Biotechnology Lab, ZOOA-DSE(A)-6-1-P</p>
17	Induction oven	1 Pc	<p>➤ Reagent Preparation</p>

18	Kymograph	1Pc	<ul style="list-style-type: none"> ➤ Animal Physiology: Controlling & Coordinating Systems, Lab; ZOOA-CC3-6-P
19	Magnus microscope	2 Pcs	<ul style="list-style-type: none"> ➤ Non-Chordates I Lab; ZOOA-CC-1-1-P, ➤ Molecular Biology Lab ZOOA-CC-1-2-P ➤ Cell Biology Lab; ZOOA-CC-2-4-P ➤ Animal Physiology: Controlling & Coordinating Systems, Lab; ZOOA-CC3-6-P, ➤ Comparative Anatomy of Vertebrates Lab; ZOOA-CC4- 8-P ➤ Immunology Lab; ZOOA-CC4-10-P ➤ Developmental Biology Lab; ZOOA-ZooA-CC6-13-P ➤ Parasitology Lab, ZOOA-DSE(A)-5-1-P ➤ Comparative Anatomy & Developmental Biology Lab, ZOOG-CC2-2-P ➤ PHYSIOLOGY AND BIOCHEMISTRY Lab; ZOOG-CC3-3-P ➤ ZOOA Parasitology &Microbiology Paper 7 ➤ ZOOA Immunology Paper 7

20	Magnetic Stirrer	1Pc	➤ Reagent Preparation
21	Micro oven	1 Pc	➤ Molecular Biology Lab; ZOOA-CC-1-2-P
22	Micropipettes (1000µl, 200µl, 20µl)	3 Pcs	➤ Molecular Biology Lab; ZOOA-CC-1-2-P ➤ Fundamentals of Biochemistry Lab; ZOOA- CC-7-3-P ➤ Animal Biotechnology Lab, ZOOA-DSE(A)-6-2-P ➤ ZOOA Molecular Biology PAPER 7 ➤ ZOOA Instrumentation PAPER 8
23	Microtome spencer type	1 Pc	➤ Animal Physiology: Controlling & Coordinating Systems, Lab; ZOOA-CC3-6-P ➤ Endocrinology Lab, ZOOA-DSE(B)-5-1-P ➤ ZOOA Histological techniques and staining methods Paper 7
24	Pen drive	2 Pcs	➤ Chordata Lab; ZOOA-CC-3-5-P, ➤ Applied Zoology. ZOOG-DSE-A-5-1-P, ➤ Genetics and Evolutionary Biology Lab ZOOG-CC4-4-P,

25	Printer cum scanner	1 Pc	<ul style="list-style-type: none"> ➤ Molecular Biology Lab; ZOOA-CC-1-2-P ➤ Comparative Anatomy of Vertebrates Lab; ZOOA-CC4- 8-P ➤ Immunology Lab; ZOOA-CC4-10-P ➤ Principles of Genetics Lab, ZooA-CC5-12-P ➤ Developmental Biology Lab ZOOA-CC6-13-P, ➤ Evolutionary Biology Lab, ZooA-CC6-14-P ➤ Parasitology Lab, ZOOA-DSE(A)-5-1-P ➤ Animal Biotechnology Lab, ZOOA-DSE(A)-6-2-P ➤ Comparative Anatomy & Developmental Biology Lab, ZOOG-CC2-2-P ➤ Genetics and Evolutionary Biology Lab ZOOG-CC4-4-P ➤ Applied Zoology. ZOOG-DSE-A-5-1-P
26	Refrigerator	2 Pcs	<ul style="list-style-type: none"> ➤ ZOOA Molecular Biology PAPER 7 ➤ Animal Biotechnology Lab, ZOOA-DSE(A)-6-2-P
27	Round magnetic stirring bar with pivot ring	5 Pcs	<ul style="list-style-type: none"> ➤ Fundamentals of Biochemistry Lab; ZOOA-CC-7-3-P ➤ Animal

			Biotechnology Lab, ZOOA-DSE(A)-6-2-P
28	Sedgewick countingchamber	1 Pc	<ul style="list-style-type: none"> ➤ Ecology& Wild life Biology;ZOOG-DSE-B-6-2-P ➤ Ecological methods ZOOA PAPER 4, UNIT II
29	Spinwin	1Pc	<ul style="list-style-type: none"> ➤ Molecular Biology Lab ZOOA-CC-1-2-P ➤ ZOOA Molecular Biology PAPER 7
30	Tissue homogenizer	2 Pcs	<ul style="list-style-type: none"> ➤ Molecular Biology Lab ZOOA-CC-1-2-P ➤ ZOOA Molecular Biology PAPER 7
31	TLC Apparatus	1Pc	<ul style="list-style-type: none"> ➤ Molecular Biology Lab ZOOA-CC-1-2-P
32	Spectrophotometer	2 Pcs	<ul style="list-style-type: none"> ➤ Molecular Biology Lab ZOOA-CC-1-2-P ➤ Animal Biotechnology Lab, ZOOA-DSE(A)-6-2-P ➤ ZOOA Molecular Biology PAPER 7
33	Ultraviolet (UV) transilluminator	1Pc	<ul style="list-style-type: none"> ➤ Molecular Biology Lab ZOOA-CC-1-2-P