

Zoology Department

Area of lab = 585.64 sq. feet

Lab I

No. of Equipments = 446 (Non-Consumable Articles)

Consumable Articles = 134

No. of Permanent Slides = 233

Adarsh Malika Mahavidyalaya, Bhiwani

Zoology Department

2023-2024

SESSION - 2023 - 2024

List of Lab Equipments :-

<u>Name of Article</u>	<u>Quantity</u>	<u>Page No.</u>
1. Teacher's microscope	1	01
2. Senior student microscope	30	02
3. Dissecting microscope	22	03
4. Physical balance	01	10
5. Electrical balance	01	11
6. Refrigerator (LG)	01	12
7. Distillation plant (4 ltr/hr)	01	13
8. Haemocytometer (imparted)	05	14
9. Haemoglobinometer	14	15
10. Pestle & mortar	2	20
11. Incubator	1	24
12. Water bath	2	22
13. Kymograph, Muscle chamber & Smoking burner	1	25
14. Hot plate	2	26

Over head projector	1	28
16. Projection microscope with TV scanner	1	29
17. a) Western TV	1	30
b) Stabilizer (0.5kVA)	1	30
18. Slide BOX	1	04
• Plastic		04
• 100 slides wooden box	1	04
• 12 slides slide box	1	
19. Slide cabinet	01	05
20 Staining rack of teakwood	27	06
21. Dissection trays 10" x 12"	48	07
22. Dissection box	01	08
23. Weight box	01	09
24. Chart (raxine)	20	16
25. Hand lens 3"	11	18
26 Cork borer	1	19
27 Spirit lamp	25	21
28 Stop watch	2	23
29 Dissection board (wooden)	10	27
30. Glass cutter	2	31

Hand net	1	32
32. Pathological microscope's		
a) eye piece (10x)	10	33
b) Objective lens (10x)	10	34
33. Projection slides (2" x 2")	100	35
34. Test tube holder	34	36
35. Test tube stand		37
a) Aluminium	12	40
b) polythene	12	
36. Pipette stand (plastic)	12	38
37. Burette stand with clamp.	12	39
38. Tripod stand (steel)	10	41
39. Skeletons	08	42
40. Human skeleton	01	43
a) articulated	01	43
b) disarticulated		
41. Skeleton of habes (Disarticulated)	01	42

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ZOOLOGY DEPARTMENT

Session - 2023-2024

PERMANENT SLIDES LIST

S. NO.	NAME OF SLIDE	QUANTITY
MITOSIS		
1.	Interphase stage	2
2.	Prophase stage	2
3.	Metaphase stage	2
4.	Anaphase stage	2
5.	Telophase stage	2
MEIOSIS		
1.	Zygotene smear	1
2.	Pachytene smear	1
3.	Diplojene smear	1
4.	Diakinesis smear	1
5.	Anaphase smear	1
6.	Telophase smear	1
7.	Metaphase II stage	1
8.	Anaphase II stage	1
HISTOLOGICAL SLIDES		
1.	T. S. of Ciliated epithelium	2
2.	T. S. of Glandular epithelium	2
3.	T. S. of Cuboidal epithelium	2
4.	T. S. of Squamous epithelium	2
5.	T. S. of Columnar epithelium	2

6.	T. S. of Adipose tissue	2
7.	T. S. of Sensory epithelium	1
8.	T. S. of Connective tissue	1
9.	T. S. of Areolar tissue	1
10.	T. S. of bone	3
11.	T. S. of Lymph gland	1
12.	T. S. of Pituitary gland	1
13.	T. S. of Adrenal gland	2
14.	T. S. of thyroid gland	2
15.	T. S. of nervous tissue	2
16.	T. S. of elastic cartilage	2
17.	T. S. of hyaline cartilage	2
18.	T. S. of striated muscles	1
19.	T. S. of unstriated muscles	2
20.	T. S. of cardiac muscles	3
21.	T. S. of nerve fibers	3
22.	T. S. of rat testis	1
23.	T. S. of mammalian ovary	4
24.	T. S. of skin	2
25.	L. S. of kidney	3
26.	T. S. of stomach	1
27.	T. S. of small intestine	2
28.	T. S. of liver	3
29.	T. S. of mammals testis	2
30.	Human sperm smear	3

31. Frog blood smear 2

CHICK EMBRYOLOGY

1. 13 hours stage 2
2. 18 hours stage 3
3. 21 hours stage 1
4. 24 hours stage 2
5. 33 hours stage 2
6. 48 hours stage 2
7. 72 hours stage 2

FROG EMBRYOLOGY

1. Frog tadpole 1
2. V. S. of Frog (4mm) 1
3. Blastula stage 2
4. Morula stage 1
5. Gastrula stage 2
6. Late neural groove 1

PERMANENT STAINED PREPARATIONS

1. Placoid scale of fishes 2
2. Cycloid scale of fishes 1
3. Ctenoid scale of fishes 1
4. Tornaria larva 1
5. Amphioxus - oral hood 1
6. Amphioxus - pharynx 3
7. Amphioxus - atrium 1
8. Amphioxus - intestine 1

- | | | |
|-----|--------------------|---|
| 9. | Amphioxus - gonad | 1 |
| 10. | Amphioxus - caudal | 1 |
| 11. | Herdmania spicules | 3 |

PROTOZOA

- | | | |
|-----|--------------------|---|
| 1. | Amoeba | 1 |
| 2. | Euglena | 2 |
| 3. | Paramecium | 4 |
| 4. | Trypanosoma | 2 |
| 5. | Vorticella | 2 |
| 6. | Balantidium | 2 |
| 7. | Opalina | 3 |
| 8. | Nyctotherus | 2 |
| 9. | Noctiluca | 3 |
| 10. | Plasmodium | 1 |
| 11. | Entamoeba | 1 |
| 12. | Radiolarian ooze | 2 |
| 13. | Foraminiferan ooze | 1 |

PORIFERA

- | | | |
|----|-----------------|---|
| 1. | Sycon | 4 |
| 2. | Sponge gemmule | 3 |
| 3. | Sponge spicules | 1 |

COELENTERATA

- | | | |
|----|-----------------|---|
| 1. | Hydra with buds | 2 |
| 2. | Hydra testis | 2 |
| 3. | Hydra ovary | 2 |

4.	Plumularia	1
5.	Sertularia	1
6.	Aurelia	1
7.	Bougainvillea	1
8.	Obelia colony	3
9.	Tubularia	1
10.	Obelia medusae	1

PLATYHELMINTHES

1.	Tapeworm scolex	1
2.	Tapeworm proglottid	1
3.	Taenia scolex	1
4.	Fasciola T. S.	2
5.	Liver fluke T. S.	3
6.	Liver fluke larvae	7
7.	Echinococcus W. M.	1

ASCHELMINTHES

1.	Ascaris male	1
2.	Ascaris female	1
3.	Pinworm W. M.	1

ANNELIDA

1.	Nereis T. S.	1
2.	Nereis parapodia	1
3.	Leech crop region	1
4.	Earthworm spermathecae	1
5.	Leech jaw	1

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|-----|------------------------------|---|
| 6. | Earthworm typhlosolar region | 1 |
| 7. | Leech nephridia | 1 |
| 8. | Earthworm pharyngeal region | 1 |
| 9. | Earthworm septal nephridia | 1 |
| 10. | Earthworm setae | 1 |

ARTHROPODA

- | | | |
|-----|------------------------------|---|
| 1. | Butterfly mouth parts | 1 |
| 2. | Rat flea | 2 |
| 3. | Mosquito male mouth parts | 3 |
| 4. | Head louse | 2 |
| 5. | Daphnia W. M. | 1 |
| 6. | Cockroach trachea | 1 |
| 7. | Cockroach mouth parts | 2 |
| 8. | Drosophilla chromosome | 1 |
| 9. | Prawn statocyst | 1 |
| 10. | Bed bug | 1 |
| 11. | Cyclops | 1 |
| 12. | Anopheles female mouth parts | 1 |

MOLLUSCA

- | | | |
|----|------------------|---|
| 1. | Pila radula | 2 |
| 2. | Pila osphradium | 1 |
| 3. | Glochidium larva | 2 |

ECHINODERMATA

- | | | |
|----|--------------------|---|
| 1. | Starfish arm T. S. | 1 |
|----|--------------------|---|

HEMICHORDATA

1. Balanoglossus proboscis	1
2. Balanoglossus trunk	2
3. Balanoglossus collar	1
4. Balanoglossus genital	3
5. Balanoglossus anterior region	2

(N) Mahesh

Secy
Principal

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ZOOLOGY DEPARTMENT

LIST OF CHARTS (RAXINE)

Session - 2023-2024

Sr. No.	Name of chart	Page no.
1.	Development of chick	16
2.	Animal cell	16
3.	Virus	16
4.	Meiosis	16
5.	DNA	16
6.	Amhioxus development	16
7.	Types of egg and cleavage	16
8.	Frog development	16
9.	Scoliodon nerves	16
10.	Chick development	16
11.	Skeleton of Frog	16
12.	Skeleton of Varanus	16
13.	Skeleton of Fowl	16
14.	Skeleton of Rabbit	16
15.	Types of Fishes	16

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|-----|--|----|
| 16. | Beak of Birds | 16 |
| 17. | Homologous Organ in forelimb of vertebrate | 17 |
| 18. | Evolution of Horse | 17 |
| 19. | Evolution of Man | 17 |
| 20. | Analogous Organs in Insects wings & birds wings. | 17 |

Amal

20/7/23

Principal
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DEPARTMENT OF ZOOLOGY

LIST OF FURNITURE ITEMS

Session - 2023 - 2024

SR. NO	NAME OF ITEM	QUANTITY	PAGE NO.
1.	Stools	45	1
2.	Tables	1	2
3.	Name plate with stand	4	3
4.	Steel almirah	1	4
5.	Notice board	1	5
6.	Wooden office table 5" x 3"	1	8
7.	Office revolving chair	1	9
8.	Office visitor's chair	4	10
9.	Office steel book shelf	1	11

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