

M.Sc. (Final) ZOOLOGY - 2006-07

PRACTICAL-I

Duration : 5 hours per day for two days M.M. 100

S.No.	Exercise	Regular
1	Major dissection	20
2	Minor dissection	10
3	Slide preparation & Microtomy (8+10)	18
4	Molecular Biology / Ethology / Endocrinology exercise	12
5	Spots(10)	20
6	Field Record	10
7	Viva-voce	10
	Total :-	100
1	Dissections-	
(a)	<i>Rattus</i> - Neck nerves, ear ossicles and endocrine glands	
(b)	<i>Torpedo</i> - Cranial nerves and electric organs	
(c)	<i>Anabas/Channa/Clarias</i> - accessory respiratory organs	
(d)	<i>Labeo</i> - Cranial nerves	

- 2 Mounting of oral hood, velum, pharyngeal wall and endostyle of *Amphioxus*.
- 3 Museum specimens and slides-
Protochordata : *Salpa*-sexual & asexual, *Botrylus*,
Herdmania.
Fishes : *Rhinobatus*, *Chimaera*, *Acipensor*,
Amia, *Periophthalmus*, *Echeneis*,
Exococtus, *Notopterus*, *Trichiurus*,
Mastacembalus, *Diodon*, *Protop-*
terus, *Hemiramphus*
Amphibians : *Ichthyophis*, *Necturus*, *Triturus*,
Alytes, *Pipa*, *Ambystoma*, *Hyla*,
Rhacophorus
Reptiles : *Draco*, *Varanus*, *Calotes*, *Mabouia*,
Ophiosaurus, *Heloderma*, *Typhlops*,
Naja, *Vipera*, *Bungarus*, *Hydro-*
phis, *Eryx*, *Natrix*
Birds : *Bubo*, *Malvis*, *Eudynamis*, *Corvus*,
Model of *Archaeopteryx*, *Antegone*
Mammals : *Ornithorhynchus*, *Manis*, *Pteropus*,
Hystrix, *Felis tigris*.
- 4 Comparison of axial skeleton of *Labeo*, *Rana*,
Varanus / Snake and a mammal (Carnivore/
herbivore)
- 5 Microtomy of some organs of vertebrates as
instructed by teacher.