

SARDAR PATEL UNIVERSITY
Programme: BSC (ZOOLOGY)
Semester: III
Syllabus with effect from: June 2012

Paper Code: US03CZOO03	Total Credit: 3
Title Of Paper: Zoology Practical	

Unit	Description in detail	Weighting (%)
1	Dissection: By Simulation, Animation, Charts etc excluding ASCARIS	
2	Nereis: External Characters, Digestive system, Nervous system, Mountings: Jaws, Parapodia.	
3	Scoliodone: External Characters, Digestive System, Urinogenital System, Brain.	
4	Mountings: Scales, Muscle Fiber, Nerve Fiber, Gills.	
5	Frog: External Characters, Digestive System, Urinogenital System, Brain, Metamorphosis	
6	Mountings: Inner Ear, Study of Bones.	
7	Classification: (Upto ORDER)	
8	Protozoa: Ceratium, Arcella, Polystomella, Euglina, Trypanosoma, Paramoecium, Opalina, Vorticella, Plasmodium.	
9	Porifera: Sycon, Hylonema, Spongilla, Cliona.	
10	Coelentrata: Obelia, Milipora, Physalia, Aurelia, Tubipora, Gorgonia, Pennatula, Sea Anemone, Zoanthus, Cerianthus.	
11	Platyhelminthes: Planneria, Bipalium.	
12	Nemanthelminthes: Hook worm, Pin worm, Guinea worm, Trichinella Spiralis, Ascaris.	
13	Protochordata: Herdmania, Doliolum, Salpa, Amphioxus.	
14	Cyclostomata: Lamprey.	
15	Pisces: Shark, Sting Ray, Electric Ray, Sea Horse, Eel, Cat Fish, Sucker Fish, Flying Fish, Labeo, Anabus, Synapteura.	
16	Amphibia: Ichthyophis, Salamander, Axolotal Larva, Alytes, Frog.	
17	Life History of Liver Fluke.	
18	Parasitology: Hook Worm, Pin Worm, Guinea worm, Trichinella Spiralis, Schistosoma, E.Histolytica, Balantidium Coli, Trypanosoma.	
19	Hb Estimation.	
20	WBC Counting.	
21	Differntial Counting of WBCS	
22	RBC Counting.	
23	Effect of Osmotic Pressure on RBCS	
24	Sphygnomanometer and it's use (Demo)	

Basic Text & Reference Books:

- A Manual of Practical zoology - Invertebrate. by P.S.VERMA.
- A Manual of Practical zoology - Chordate by P.S.VERMA.
- Practical Physiology, Anatomy and Biochemistry by SHAH PATEL AND GOEL
- Practical zoology invertebrate by, S.S. LAL
- Practical zoology vertebrate by, S.S. LA.

