

**SARDAR PATEL UNIVERSITY**  
**Programme: B.Sc**  
**Semester: II**  
**Syllabus with effect from: November-2011**

<b>Paper Code: US02CBIO03</b>	<b>Total Credit: 2</b>
<b>Title of Paper: Practical</b>	

Unit	Description in detail	Weightage (%)
	<p><b>Zoology Practicals.</b>            Preparation of Haemin crystals.            Detection of Blood group.            Study of Blood cells (Through charts/ Permanent slides)            Classification of Protochordata and Vertebrates (Pisces and Amphibia) .            Amphioxus, Lamprey, Shark, Electric Ray, Sting Ray, Sea Horse, Ichthyophis and Toad.            Classification of Reptilia, Aves and Mammalia . Turtle, Calotes, Chamaeleon, Cobra, Alligator, Cuckoo, Wood Pecker, Shrew, Bat and Rabbit.            Study of General Viscera, Digestive system and Urinogenital system of Rat.            Study of Histological slides of mammalian Tissues/Organs . T.S of Stomach, Small Intestine, Liver, Pancreas, Testis, Ovary and Spinal Cord.            Collection and Types of Feathers.            Parental care in Fishes (Chart/Specimen).            Parental care in Amphibians (Chart/Specimen).            Field Study/Study tour.</p>	
	<p><b>Botany Practicals.</b>            Study of Algae. Nostoc, and Volvox, Zygnema. (Temporary mounting and P.S)            Study of Ectocarpus and Batrachospermum. (Temporary mounting and P.S)            Study of Yeast and Penicillium. (Temporary mounting and P.S)            Study of Rhizopus. (Temporary mounting and P.S), Mushroom (Specimen)            Study of Lichens (Permanent Slides and Specimen)            Study of Riccia (Thallus Morphology, Internal structure and sex organs with P.S)            Study of Anthoceros (Thallus Morphology, Internal structure and sex organs with P.S)            Study of Funaria (Thallus Morphology, Internal structure and sex organs with P.S)            Study of Fern (Plant Morphology, Mounting of Sporangia)            Study of lycopodium (Stem T.S, Cone structure with help of specimen and P.S)            Study of Equisetum (Stem T.S, Cone structure with help of specimen and P.S)</p>	

