

SARDAR PATEL UNIVERSITY
Programme: BSC (ZOOLOGY)
Semester: VI
Syllabus with effect from: November 2013

Paper Code: US06CZOO04	Total Credit: 3
Title Of Paper: Developmental Biology	

Unit	Description in detail	Weighting (%)
1	Parthenogenesis Spermatogenesis Oogenesis Egg membranes Types of eggs	
2	Development of amphioxus Gametes Fertilization Cleavage Blastula Gastrulation Formation of primary organ rudiments Larval development	
3	Development of frog Ovulation and spawning fertilization cleavage and blastula the fate-map gastrulation neurulation metamorphosis	
4	Development of chick Gametes and fertilization Cleavage and blastulation Gastrulation Differentiation of mesoderm and coelom Neurulation Development of chick according to incubation and Extra embryonic membranes of chick	

Basic Text & Reference Books:

- Introduction to embryology: A K Berry
- Chordate embryology : Verma and Agrawal
- Developmental biology: sastry and shukal

