BOWEN UNIVERSITY, IWO DEPARTMENT OF BIOLOGICAL SCIENCES

2010/2011 SECOND SEMESTER EXAMINATION

ZLY 309: COMPARATIVE VERTEBRATE ANATOMY

Answer questions one and any two others. Time: 2 hrs 20 mins			20 mins
1.	(a) (b)	With the aid of diagrams, describe the progressive fusion of posterior ends of the oviducts of placental mammals. Give a comparative account of the vertebrate spinal cord.	of the (30 Marks)
2.	(a)	Discuss the functions of the vertebrate integument. Illustradiagrams where necessary.	ite with (20 Marks)
3.	(a) (b)	Why was it necessary for vertebrates to develop a blood cisystem? Draw and label a diagram of the primitive vertebrate heart.	
4.	(a) (b)	Give an account of the general structure and function of the vertebrate gill. Describe the three main types of vertebrate gills.	e (20 Marks)
5.	(a) (b)	What are the two main functional roles of the vertebrate kill Give an account of the three main types of nephron in the vertebrate kidney.	