B.SC. ZOOLOGY 4^{TH} SEMESTER SESSIONAL EXAMINATION, 2023 PAPER NAME: COMPARATIVE ANATOMY OF VERTEBRATES PAPER CODE: ZOO-HC-4016

Marks=30	Time=1 Hr
Q1. Fill in the blanks:	1x5=5
 a) Teleost have pair of aortic arches. b) Embryos of all vertebrates have type of kidneys. c) Third ventricle is connected with the fourth ventricle of brain by d) The horn of rhinoceros is a modified e) Bowman's capsule and glomerulus together form the 	
Q2. Define the following terms:	1x5=5
 a.) Proprioreceptors b.) Ductus caroticus c.) Uropygial gland d.) Axial skeleton e.) Swim Bladder Q3. Write short notes on (any four): a.) Ruminant Stomach b.) Transitional heart 	2.5x4=10
c.) Embryonic structure of Visceral archesd.) Epidermal derivatives of integumente.) Mammalian brain	
Q4. Answer the following (any one):	1x10=10
a) Compare the aortic arches in fishes, amphibians and mammals.b) Discuss the evolution of three-chambered heart in amphibians to four with supporting diagram.c) Discuss the succession of kidneys in vertebrates with labelled diagra	