



THE OPEN UNIVERSITY OF SRI LANKA
B.Sc DEGREE PROGRAMME – LEVEL 4
NO BOOK TEST 1 (NBT-1) 2009/10
COURSE CODE – ZOU 2264
COURSE TITLE – ANIMAL FORM AND FUNCTION
DURATION – ONE HOUR

Date : 25th April 2010

Time : 11.00 am – 12.00 noon

PART B

Question 2

2.1.1 Define the term excretion

2.1.2 What are the main nitrogenous waste produced in animals ?

2.1.3 Name the excretory products and excretory organ of following animals

Animal	Excretory products	Excretory organ
Hydra		
Bird		
Earthworm		

2.1.4. Mention the importance of Ornithine cycle in animals in excretion

2.1.5. Marine vertebrates do not face dehydration. Explain why ?

2.2.1. Nephron is the functional unit of the kidney . Name different types of nephrons present in human kidney.

2.2.2. What is the advantage of presence of different types of nephrons?

2.2.3. Name two main factors that determine the osmotic pressure of the human blood.

2.2.4. What are the hormones involved in regulation of osmotic pressure in blood ?

2.2.5 Describe briefly how **one of the hormones that you mentioned in 2.2.4** controls the osmotic pressure in blood.

2.2.6. Some marine birds and reptiles face problems of a surplus of salts. Describe how they overcome this problem.

