

10/2

THE OPEN UNIVERSITY OF SRI LANKA
B.Sc DEGREE PROGRAMME- 2005/06
ANIMAL FORM AND FUNCTION - ZOU 2264
ZOOLOGY -LEVEL 4
OPEN BOOK TEST - I



DURATION - ONE HOUR

DATE : 12/02/2006

TIME : 4.00 PM - 5.00 PM

REGISTRATION No:-

Instructions

- Answer all questions in **Part A** and **Part B**
- Answers to **Part A** (multiple choice questions) must be indicated in the annexed sheet by placing a cross (X) in the relevant cage.
- Answers to **Part B** (structured questions) must be written within the space provided in the question paper.
- Please submit **Part A** of the question paper along with **Part B**

REGISTRATION No:-

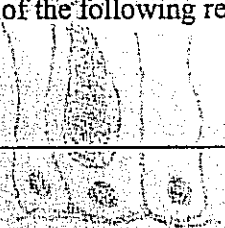
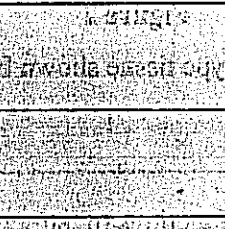
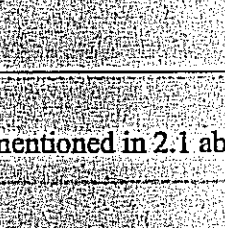
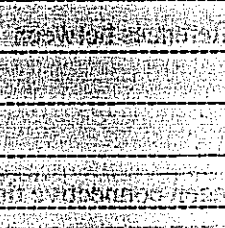
Answer sheet for question 1 (Part A)

Question No	A	B	C	D
1.1				
1.2				
1.3				
1.4				
1.5				
1.6				
1.7				
1.8				
1.9				
1.10				
1.11				
1.12				
1.13				
1.14				
1.15				
1.16				
1.17				
1.18				
1.19				
1.20				

Part B

Question No. 2

2.1 Name the principal site of gas exchange in each of the following respiratory organs/structures.

A	Lungs of mammals	
B	Lungs of birds	
C	Gills of fish	
D	Tracheal system	

2.2. Write three common characteristics of the sites mentioned in 2.1 above.

- 1 _____
- 2 _____
- 3 _____

2.3. Write the route of a Oxygen molecule that travels from atmosphere to human red blood cell .

2.4. Figure 2 shows some cells lining the human trachea.

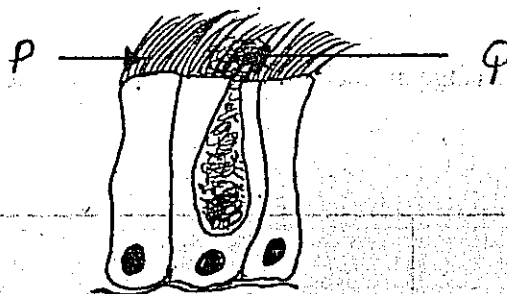


Figure 2

2.4. a. Name the type tissue shown by Figure 2.

2.4.b. Write the functions of structure P and Q

P

Q

2.5. Write three differences between the collagen connective tissue and elastic connective tissue

Collagen connective tissue	Elastic connective tissue
1	
2	
3	

3.1. Write and define the major processes in animal nutrition in the following table

Process	Definition
1	
2	
3	
4	

3.2. Write three major functions of human stomach

- 1 _____
- 2 _____
- 3 _____

3.3. Give one function of each of the following that present in human digestive system

Rugae _____

Mucus barrier in the stomach _____

Lacteal _____

Auerbach's plexus _____

Please write your Registration number, name and address in the cage given below. We will post "Part B" of this question paper after computing the continuous assessment mark.

Registration Number

Address :