



THE OPEN UNIVERSITY OF SRI LANKA
FOUNDATION PROGRAMME IN SCIENCE- 2007/2008
LEVEL -1 – PSF 1306/PSF1306
ZOOLOGY
OPEN BOOK TEST – 2

Date 18th Oct 2007

Time - 11.00am- 12.00 noon

Reg. No.

Answer all questions

PART I

Part I consists of 20 multiple – choice questions. Indicate your answer by placing “X” in the relevant cage of the answer box.

PART II

Answers for the structured essay questions should be written in the space provided in the question paper.

Please hand over the question paper along with the answer sheets.

ANSWER BOX

| | (i) | (ii) | (iii) | (iv) |
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PART - II

2

2.1 (a) What is an enzyme ?

(b) Briefly describe intercellular digestion and extracellular digestion.

Intercellular digestion : -----

Extracellular digestion -----

(c) The following table presents a summary of enzymic functions of human digestive system. Fill in the blanks.

| Enzyme | Site of production | Site of action | Functions |
|--------------|--------------------|----------------|-----------|
| Pepsin | | | |
| Lipase | | | |
| Trypsin | | | |
| Enterokinase | | | |
| Invertase | | | |

2.2 (a) What is meant by "respiration"

(b) What is the common respiratory substrate in living cells?

(c) State two main differences between aerobic and anaerobic respiration.

(d) Write the respiratory structures of following animals:

1. Fish -----

2. Snail -----

3. Insect -----

4. Rat -----

2.3 (a) What is meant by the term "reproduction"

(b) What are the main differences between sexual reproduction and asexual reproduction?

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(c) What are the major types of asexual reproduction patterns seen among animals

(d) Give an example of an animal for each types of Asexual reproduction patterns stated in 2.3c

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