

2<sup>nd</sup> SEM 2011/2012



Page 1 of 2

UNIVERSITY OF SWAZILAND  
FINAL EXAMINATION PAPER

PROGRAMME: ALL B.SC YEAR I

COURSE CODE: AS 101

TITLE OF PAPER: ZOOLOGY

TIME ALLOWED: TWO (2) HOURS

INSTRUCTIONS: ANSWER FOUR (4) QUESTIONS

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Page 2 of 2

**QUESTION 1**

Observe the pictures below and answer:

**A**



**B**



- A) Which Phylum belongs the following animals? Briefly describe each Phylum. (16.0 points)
- B) What is the difference between physical death and genetic death? (6.0 points)
- C) Explain the evolutionary consequences of the deaths mentioned above. (3.0 points)

**QUESTION 2**

- A) Describe cilia. (5.0 points)
- B) Where can we find cilia in the human beings? (5.0 points)
- C) Explain active transport. (8.0 points)
- D) Define mitosis. (7.0 points)

**QUESTION 3**

Draw and label the structure of the following:

- A) Neuron (5.0 points)
- B) Compact organ (5.0 points)
- C) Spermatogenesis (5.0 points)
- D) Connective tissue (5.0 points)
- E) Skeletal muscle (5.0 points)

**QUESTION 4**

- A) Name (3) different types of cartilage found in the bodies of farm animals. (3.0 points)
- B) Name of (8) different types of exocrine glands found in the body of farm animals. (8.0 points)
- C) Name and indicate the function (s) of (7) different parts of avian oviduct. (14.0 points)

**QUESTION 5**

Compare between:

- A) Prolactin and Oxytocin (5.0 points)
- B) Somatotropic and Antidiuretic hormone. (5.0 points)
- C) Simple and Stratified Squamous epithelium (5.0 points)
- D) Erythrocytes and Leukocytes (5.0 points)
- E) Positive and negative feedback mechanism. (5.0 points)