

2nd SEM 2011/2012

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UNIVERSITY OF SWAZILAND SUPPLEMENT EXAMINATION PAPER

PROGRAMME:

ALL B.SC YEAR I

COURSE CODE:

AS 101

TITLE OF PAPER: ZOOLOGY

TIME ALLOWED: TWO (2) HOURS

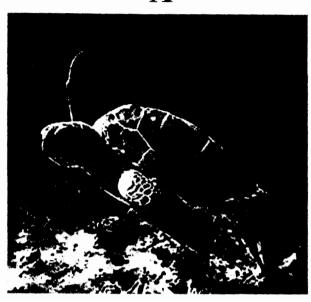
INSTRUCTIONS: ANSWER FOUR (4) QUESTIONS

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QUESTION 1

Observe the pictures below and answer:

A





A) Which Class belongs the following animals? Briefly describe each Class.

(16.0 points)

B) What is the difference between phenotype and genotype?

(9.0 points)

QUESTION 2

A) Briefly explain divergent evolution.	(10.0 points)
B) List the organic bases of DNA.	(4.0 points)
C) How the DNA bases link between them.	(5.0 points)
D) Define Essential amino acids.	(6.0 points)

QUESTION 3

Draw and label the structure of the following:

(5.0 points)
(5.0 points)
(5.0 points)
(5.0 points)
(5.0 points)

QUESTION 4
Indicates the function (s) of each of the following:

A) Throbbocytes	(5.0 points)
B) Motor nerve cell.	(5.0 points)
C) Growth Hormone.	(5.0 points)
D) Luteinizing Hormone.	(5.0 points)
E) Male accessory organs.	(5.0 points)

QUESTION 5 Write on:

A) Compare between compact and tubular organs.	(10.0 points)
B) Compare between Simple and stratified cuboidal epithelium	(10.0 points)
C) Types of granulocytes.	(5.0 points)