



FACULTY OF SCIENCE

DEPARTMENT OF ZOOLOGY

MODULE	ZOO2B20
CAMPUS	APK
SUPP EXAM	DECEMBER 2014

DATE:

SESSION

ASSESSOR(S)

DR J.F. DURAND

INTERNAL MODERATOR

PROF B. VAN VUUREN

DURATION 120 MIN

MARKS 100

NUMBER OF PAGES: 2 PAGES

INSTRUCTIONS: Answer all the questions.

QUESTION 1

Explain the difference between homologous and analogous characteristics.

[1]

QUESTION 2

Discuss by means of labeled diagrams the process of oogenesis

[10]

QUESTION 3

Compare the morphology of Amphioxus with the ammocoete larva of the lamprey by means of labeled illustrations. Underline the characteristics they have in common.

[15]

QUESTION 4

Discuss Garstang's theory of the origin of vertebrates critically.

[20]

QUESTION 5

Write down the classification of the Reptilia to suborder level.

[24]

QUESTION 6

Compare the aortic arches of a bony fish, amphibian, reptile, bird and mammal by means of labelled diagrams.

[20]

QUESTION 7

Name the different zoogeographical regions and name the barriers between the American, African and Eastern zoogeographical regions.

[10]

TOTAL MARKS (100)
