



ROBERT MUGABE SCHOOL OF EDUCATION AND CULTURE

DEPARTMENT OF CURRICULUM STUDIES

BACHELOR OF EDUCATION HONOURS IN-SERVICE BIOLOGY (SECONDARY)

LEVEL 1 SEMESTER 1

EXAMINATION QUESTION PAPER

MODULE CODE	CBIS 112
MODULE NARRATION	ANIMAL KINGDOM
DATE	NOVEMBER 2025
DURATION	3 HOURS

INSTRUCTIONS TO CANDIDATES:

- 1. Answer three questions only.**
- 2. Each question carries 25 marks.**

1. Outline the diagnostic features of the following Phyla
 - (i) *Porifera* [8]
 - (ii) *Mollusca* [7]

(b) Assess the ecological and economic importance of *Mollusca*. [10]
2. a) Examine the following concepts and phrases used in animal kingdom: [15]
 - Beneficial effects of earthworms
 - Decomposers
 - Diploblastic
 - Radial symmetry
 - Adaptation to parasitism of the representatives of the phylum *Platyhelminthes*

b) Discuss the classification of mammals. [10]
3. Discuss the characteristics and economic importance of the following animal phyla
 - (a) *Annelida* [15]
 - (b) *Nematode* [10]
4. a) In the phylum *Arthropoda* class *insect*, all representatives of this class have an external skeleton which restricts growth and which is periodically replaced during growth and development.
Describe how this replacement of the external skeleton (**ecdysis**) occurs. [10]
- b) In the phylum *Arthropoda* the class *insect* is considered to be the most successful class of organisms. Discuss.

5. a) Discuss any 5 synapomorphic traits of chordates [10]

b) Discuss the diagnostic features, origin and evolution of the following classes

(a) Amphibia [10]

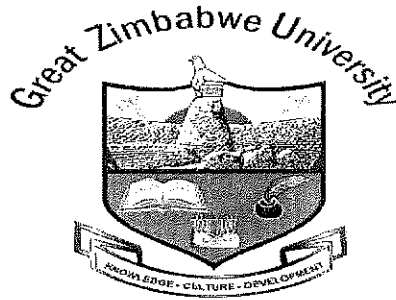
(b) Birds [5]

END OF EXAMINATION PAPER

GREAT ZIMBABWE UNIVERSITY

ROBERT MUGABE SCHOOL OF EDUCATION AND CULTURE

DEPARTMENT OF SCIENCE AND TECHNICAL EDUCATION



B.ED (SECONDARY) IN SERVICE HONOURS DEGREE PART 2 SEMESTER 1

ANIMAL HEALTH

TPAG/TSAG 212-3

YEAR

2025

TIME

3 HOURS

MAIN PAPER

INSTRUCTIONS TO CANDIDATES

- Answer **three** questions only
- All questions carry equal mark