

# CONFORMAL Bastion of Knowledge...

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OFFICE OF THE DEPUTY PRINCIPAL ACADEMICS, STUDENT AFFAIRS AND RESEARCH

## UNIVERSITY EXAMINATIONS

### **2017/2018 ACADEMIC YEAR**

<u>FIRST</u> YEAR <u>FIRST</u> SEMESTER EX	AMINAT	ION	
	For examiner's Use Only		
FOR THE DEGREE OF BACHELOR	Question	I.E	E.E
TOR THE DEGREE OF BACHELOR			
OF SCIENCE IN MICROBIOLOGY			
SCHOOL: SCIENCE			
ALUPE UNIVERSITY COLLEGE			
LIBRARY			
COURSE CODE: ZOO 110	CAT		
COURSE TITLE: BASIC OOLOGY I	EXAM		
<b>DATE:</b> 13 <sup>th</sup> December, 2017 <b>TIME:</b> 9.00am-12.00pm			
INSTRUCTION TO CANDIDATES: SEE INSIDE	TOTAL		
	LEASE TU	RN OV	ER
Insert the numbers of the questions you have answered in	n the order	done	
	+		
udent Admission NoExam Card No	Si	ignature.	

ZOO 110 RTD56

#### **INSTRUCTIONS TO CANDIDATES**

1. Write your **Admission Number**, **Exam Card Number** and **Sign** in the spaces provided at the bottom of each page of the Examination Booklet. DO NOT write your name anywhere in this booklet.

- 2. Write on both sides of the pages.
- 3. All rough work must be done in the Answer sheets and crossed through.
- 4. If supplementary pages are used, they must be fastened all together at the end of this Booklet. Supplementary pages should be used only after all the leaves in the booklet have been exhausted.
- 5. It is a serious examination offence to cheat or to have unauthorized materials including **MOBILE PHONES** (whether on or off) in the examination venue.
- 6. In no circumstances must Answer Booklet used or unused, be removed from the examination room by a candidate.
- 7. The Booklet is for **Examination use only** in a designated examination room. Unauthorized possession of the Answer sheets by a student or any other person constitutes an examination irregularity calling for stiff disciplinary action.
- 8. Do not pluck any page from this Booklet. Any extra/unused answer sheets should be returned to the **Examination Office.**
- 9. Candidates who come to examination room 30 minutes late will not be allowed to sit for the exam.
- 10. Candidates will not be allowed to leave the exam room once the exam commences.
- 11. Candidates are advised that importance is attached by examiners to accuracy and clarity of expression.
- 12. Committing any form of irregularity is prohibited and shall attract severe disciplinary action in accordance with Alupe University College Examination Regulations.

Student Admission No	Exam Card No	Signature	

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#### INSTRUCTION TO CANDIDATES

Answer **ALL** questions from section A and any **THREE** from section B.

Duration of the examination: 3 hours

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#### **SECTION A (24 MARKS)**

#### **QUESTION ONE**

a)	Enumerate six guidelin	es for conductin	g scientific study of animals.	(3 Marks)
-	8			(

- b) Outline three values of the binomial nomenclature system. (3 Marks)
- c) Highlight three significance of classification. (3 Marks)
- d) Describe three structural types of body plans related to the coelom. (3 Marks)

#### **QUESTION TWO**

- a). Outline four characteristics that define the metazoan. (4 Marks)
- b). Describe two theories that explain the origin of metazoans. (2 Marks)
- c). Distinguish between radial and bilateral symmetry of the animal kingdom giving specific examples in each case. (4 Marks)
- d). Highlight two disadvantages of the exoskeletons in arthropods. (2 Marks)

#### **SECTION B (36 MARKS)**

#### **QUESTION THREE**

a). Define the term gastrulation.

b). Describe types of movements involved in the process of gastrulation. (10 Marks)

(2 Marks)

#### **QUESTION FOUR**

a). Explain any two functions of plasmids in prokaryotic bacteria. (2 Marks)

b). Explain the five levels of organizations in animal complexity. (10 Marks)

#### **QUESTION FIVE**

a). Elaborate any six differences between prokaryotic and eukaryotic cells. (6 Marks)

b). Describe the significance of a true coelom. (6 Marks)

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QUESTI	ON SIX
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a). Highlight six general characteristics of the Phylum Arthropoda. (6 Marks)b). Members of the Phylum Arthropoda are the most successful living organisms on earth.

Discuss. (6 Marks)

#### **QUESTION SEVEN**

a). Give an account of the basic rules of binomial nomenclature. (8 Marks)

b). Explain four nomenclature codes that govern scientific names. (4 Marks)

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