

Name: Adm no

School: Candidate's sign

Date:

FORM I

PAPER 231

BIOLOGY

THIRD TRIAL 2017

TIME: 2 hours

FORM I

PAPER 231

BIOLOGY

INSTRUCTIONS TO CANDIDATES:

*Write your **name** and **admission number** in the spaces provided.*

*Sign and write **date** of examination in the spaces provided above.*

*Answer **all** the questions in the spaces provided.*

1. Define the term Biology (1mk)

2. State two major branches of Biology (2mks)

3. Complete the table below (18 mks)

Branch	Definition	Specialist
Cytology		
	Study of fossils	
		Entomologists
Anatomy		
Genetics		
Ecology		
		Biochemist
	Study of body function	
	Study of birds	

4. How does movement in plants differ from those of animals (2mks)

5. State and briefly explain five characteristics of living organisms (10 mks)

6. State five careers that require the knowledge of biology in Kenya today (5mks)

7. State three reasons why we should study Biology in Kenya schools

(3mks)

8. Complete the table below

(10 mks)

Diagram	Name	Function
		Sucking small animals from rock surface or back
		Attracting and trapping small animals
	Sweep net	
		Wrapping small fish and other small water animals
	Pair of forceps	

9. Name two instruments in the laboratory used for magnification

(2mks)

10. What is magnification (2mks)

11. What is the formula for working out magnification? (1mk)

12. State three differences between plants and animals (8mks)

Plants	Animals

13. Highlight any six importances of classification to biologists (4mks)

14. Draw the following features in plants

(a) Simple leaf

(b) Alternate leaf arrangement

(c) Opposite leaf arrangement

(d) A leaf with parallel venation

(e) A taproot system

15. State five features used in animals classification

(5mks)