

QP CODE 2018000605

Reg.No

--	--	--	--	--	--	--	--	--	--



# DMI-ST. EUGENE UNIVERSITY

ZAMBIA

DEGREE EXAMINATION – JUNE 2023

Semester: I

800ZO106 ZOOLOGY I

Time: 3:00 Hours

Max. Marks: 100

Answer any FIVE Questions (5 x 20 = 100 Marks)

1. a) State five basic principles of nomenclature. (5 Marks)  
b) Describe the control of malaria. (5 Marks)  
c) Write a short note on chemotaxonomy. (5 Marks)  
d) Write a short note on the great Swedish naturalist - Caroli Linnaei. (5 Marks)
2. a) Write a detailed note on cytological techniques. (10 Marks)  
b) Write a detailed note on the management of cancer. (10 Marks)
3. a) Explain the Digestive system. (10 Marks)  
b) Discuss in detail Respiratory system. (10 Marks)
4. a) Explain the history of genetics. (5 Marks)  
b) Write a short note on Genic balance mechanism. (5 Marks)  
c) Briefly explain gene flow. (5 Marks)  
d) Briefly describe natural selection in genetics. (5 Marks)
5. a) Write a detailed note on Helpful Insects. (10 Marks)  
b) Write a detailed account on Silk worms. (10 Marks)
6. a) Describe the Nomenclature methods. (6 Marks)  
b) Write a detailed note on Methods of taxonomy. (6 Marks)  
c) Write a detailed note on the life cycle of plasmodium in humans. (8 Marks)
7. a) Write a detailed account on Plasma Membrane. (10 Marks)  
b) Discuss Microscopy in detail. (10 Marks)