



# **EMBU UNIVERSITY COLLEGE**

**(A Constituent College of the University of Nairobi)**

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**2015/2016 ACADEMIC YEAR**

**SECOND SEMESTER EXAMINATION**

**FIRST YEAR EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCE,  
BACHELOR OF SCIENCE (BIOLOGY), BACHELOR OF SCIENCE  
(MICROBIOLOGY AND BIOTECHNOLOGY) AND BACHELOR OF SCIENCE  
(ENVIRONMENTAL CONSERVATION AND NATURAL RESOURCES  
MANAGEMENT)**

**SZL 102: VERTEBRATE ZOOLOGY**

**DATE: APRIL 14, 2016**

**TIME: 02:00-04:00**

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**INSTRUCTIONS: Answer any ten (10) questions (7 marks each)**

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1. Explain briefly seven major characteristics of chordates.
2. Describe digestion in amphioxus.
3. Using illustrations describe the types of scales found in fish.
4. Describe the types of tail fins in fish.
5. Outline the economic importance of cartilagenous fish.
6. Explain the features of hagfish that adapt them to their mode of life
7. Explain briefly the anatomical adaptations of birds to flight.
8. Explain the differences between reptilian and amphibian skin.
9. Describe briefly the characteristic features of tunicates.
10. Describe the five glands found in mammalian skin.
11. Describe briefly the features of lampreys that indicate their evolutionary relationship between with fish.
12. Outline seven characteristics features of class mammalian.

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