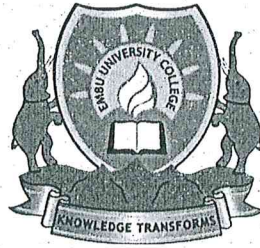


43



EMBU UNIVERSITY COLLEGE

(A CONSTITUENT COLLEGE OF THE UNIVERSITY OF NAIROBI)

SECOND SEMESTER EXAMINATIONS 2013/2014

**SECOND SEMESTER EXAMINATION FOR THE DEGREE OF BACHELOR OF
SCIENCE, BACHELOR OF SCIENCE MICRO-BIOLOGY AND BACHELOR OF
SCIENCE BIOLOGY**

SZL 102: VERTEBRATE ZOOLOGY

DATE: APRIL 3, 2014

TIME: 8.30 – 10.30AM

INSTRUCTIONS:

ANSWER ANY TEN (10) QUESTIONS (7 MARKS EACH)

1. Explain the phylogenetic significance of hemichordates
2. Discuss the adaptations of lizards to terrestrial life
3. Discuss the origin of vertebrates
4. Explain in details characteristics that are present in Agnathans and absent in other vertebrates
5. Discuss the evolution of lungs in bony fishes
6. Describe polygamy in birds.
7. Discuss the digestive system in lancelets
8. Describe in detail the amphibian skin
9. Explain the economic importance of animals found in your area

10. Discuss reproduction in Lampreys
11. Describe the process of metamorphosis in ascidia larva
12. Describe the various types of teeth in vertebrates

---END---