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EMBU UNIVERSITY COLLEGE
(A CONSTITUENT COLLEGE OF THE UNIVERSITY OF NAIROBI)

FIRST SEMESTER EXAMINATIONS 2013/2014

FIRST YEAR EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCE IN
AGRICULTURAL EDUCATION AND EXTENSION

AEX 103: ZOOLOGY

DATE: DECEMBER 10, 2013

TIME: 8.30 – 10.30AM

INSTRUCTIONS:

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

1. Explain the meaning of the following terms:-
 - i) Adaptive Radiation
 - ii) Ecdysis
 - iii) Macrolastic cleavage
 - iv) Hydrostatic skeleton
2. Outline the evolutionary features of sponges
3. Describe the anatomical attributes of aves
4. State 7 characteristics of rotifera
5. Describe the characteristics of apicomplexa
6. Explain muscular activity in locomotion of annelids
7. Outline the adaptive features of cnidarians
8. Explain the parts of reptilian circulatory system

- 9 State the functions of the mammalian skin
- 10 Explain the evolutionary origin of arthropods
- 11 Explain the features that qualify amphioxus to be a vertebrate
- 12 Outline the characteristics of platyhelminthes

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