



MAASAI MARA UNIVERSITY

UNIVERSITY EXAMINATIONS

2018/2019 ACADEMIC YEAR

FOURTH YEAR SEMESTER SECOND UNIVERSITY

EXAMINATIONS

FOR

THE DEGREE OF BACHELOR OF SCIENCE

COURSE CODE: ZOO 422E

COURSE TITLE: PHYSIOLOGY II

DATE: 29/04/2019

TIME: 11:00 AM – 1:00 PM

INSTRUCTIONS TO CANDIDATE

ANSWER ALL QUESTIONS IN SECTION "A" AND ANY TWO IN SECTION "B"

ILLUSTRATE YOUR ANSWERS WITH APPROPRIATE DIAGRAMMS AND EXAMPLES

SECTION A COMPULSORY. ALL ANSWER ALL QUESTIONS 30MARKS

1. State the role of Elastin and collagen in the skin. (3marks)
2. Define the terms:
Sebum b) Melanin c) Excretion. (3marks)
3. State the function of sudoriferous glands. (3marks)
4. Distinguish between the terms:
a) Rods and cones b) Melanocytes and osteocytes. (3marks)
5. Briefly describe the endocrine function of the testis. (3marks)
6. The sense of smell is the most direct of all senses. Explain. (3marks)
7. Explain the role of the vestibular apparatus. (3marks)
8. Outline the osmo-regulatory process in human being. (3marks)
9. Write short notes on noradrenaline. (3marks)
10. State three advantages of sexual reproduction. (3marks)

SECTION B Answer two questions 20marks each

11. Highlight the coordination between the sympathetic and parasympathetic systems of the body. (20marks)
12. Explain how the mammalian skin is adapted to its functions. (20marks)
13. Draw an annotated diagram of the human eye. (20marks)
14. Discuss the factors causing loss of hearing and of vision. (20marks)

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