



MAASAI MARA UNIVERSITY

REGULAR UNIVERSITY EXAMINATIONS 2019/2020 ACADEMIC YEAR THIRD YEAR FIRST SEMESTER EXAMINATIONS

FOR

THE DEGREE OF BACHELOR OF SCIENCE IN BOTANY/ZOOLOGY AND BACHELOR OF SCIENCE IN EDUCATION

COURSE CODE: ZOO 4120

COURSE TITLE: EVOLUTIONARY BIOLOGY

DATE: 11TH DECEMBER, 2019

TIME: 1430 - 1630HRS

INSTRUCTIONS TO CANDIDATES

Answer **ALL** the questions in **Section A** and **ANY TWO** questions in **Section B**.

Within a section, all questions carry equal marks. Illustrate your answers with well-labeled diagrams and give examples where appropriate.

SECTION A (30 MARKS)

1. State any THREE considerations of focus that help the understanding of evolutionary processes and mechanisms. **(2 marks)**
2. State any three features man shares with the higher apes. **(3 marks)**
3. Describe any three types of fossil record. **(3 marks)**
4. Explain the doubts or skepticism in evolutionary biology. **(3 marks)**
5. Comment on who we are as human beings in evolutionary biology. **(3 marks)**
6. Briefly describe the conditions on the planet Jupiter. **(3 marks)**
7. State the three most recent statements of William Lane Craig in 1994, regarding the existence of the universe. **(3 marks)**
8. Explain the time table of speciation towards the Homo lineage. **(3 marks)**
9. Describe any three distinctive features of Hominidae. **(3 marks)**
10. State and briefly explain any three types of species isolation. **(3 marks)**

SECTION B (40 MARKS)

11. Discuss major characteristics of the primates. **(20 marks)**
12. Explain the evidences of evolution. **(20 marks)**
13. Discuss the theories of origin of life. **(20 marks)**
14. Discuss the patterns of evolution as presented today in evolutionary biology. **(20 marks)**

END
