



MACHAKOS UNIVERSITY

University Examinations 2016/2017

SCHOOL OF HUMANITIES AND SOCIAL SCIENCE

DEPARTMENT OF SOCIAL SCIENCES

FIRST YEAR SECOND SEMESTER EXAMINATION FOR DEGREE IN

BACHELOR OF EDUCATION

BACHELOR OF ARTS

AGE 102: PHYSICAL GEOGRAPHY I

DATE: 6/6/2017

TIME: 2:00 – 4:00 PM

INSTRUCTIONS

Answer Question One and Any Other Two Questions

1.
 - a) Describe the relationship between the terms Lithosphere, Atmosphere, Hydrosphere and Biosphere. (6 marks)
 - b) Define the following concepts:
 - i Endogenic process (2 marks)
 - ii Exogenic Processes (2 marks)
 - iii Radioactive isotopes (2 marks)
 - c) Outline six classes of evidence to prove that Gondwanaland and Laurasia actually existed, and that they drifted to their present positions. (6 marks)
 - d) Discuss any two elements of weather and account for their importance. (6 marks)
 - e) Discuss the concept urban heat island and show its impact to the climate of a region. (6 marks)
2.
 - a) Discuss the origin of the universe. (10 marks)
 - b) Outline the advantages and disadvantages of the various dating techniques. (10 marks)
3. With an aid of illustrations, describe the internal structure of the earth. (20 marks)
4.
 - a) Explain any two types of plate boundaries. (8 marks)
 - b) Describe how Igneous and Sedimentary rocks are formed. (12 marks)
5.
 - a) Account for the vertical variation of the temperature in the atmosphere. (10 marks)
 - b) Trace the origin and evolution of climatology over time. (10 marks)