



MACHAKOS UNIVERSITY

University Examinations for 2018/2019 Academic Year

SCHOOL OF HUMANITIES AND SOCIAL SCIENCES

DEPARTMENT OF SOCIAL SCIENCES

FOURTH YEAR SPECIAL/SUPPLEMENTARY EXAMINATION FOR

BACHELOR OF EDUCATION (ARTS)

BACHELOR OF ARTS

AGE 409: APPLIED CLIMATOLOGY

DATE:

TIME:

INSTRUCTIONS: Answer QUESTION ONE and any other TWO QUESTIONS

1.
 - a) Discuss the subfields of climatology (10 marks)
 - b) Writes notes on the following
 - i. Climate variability (3 marks)
 - ii. Global warming (4 marks)
 - iii. Climate vulnerability (3 marks)
 - c) Discuss the **rationale** of climatic data to developing countries. (10 marks)
2. Climate change is a **major** challenge facing the world today. Discuss (20 marks)
3. Examine the micro- climate applications in both agriculture and urban planning (20 marks)
4. Examine the following
 - a) The process of analyzing data for dissemination
 - b) Data collection procedures for any climatic variable (10 marks)
5. Examine the **links** between climate change and the following:
 - a) Pests and diseases
 - b) Human Health
 - c) Communication and transportation (20 marks)