



MACHAKOS UNIVERSITY

University Examinations for 2021/2022 Academic Year

SCHOOL OF AGRICULTURE, ENVIRONMENT AND HEALTH SCIENCES

DEPARTMENT OF ENVIRONMENTAL SCIENCES

FIRST YEAR SPECIAL/SUPPLEMENTARY EXAMINATION FOR

BACHELOR OF EDUCATION (SPECIAL NEEDS EDUCATION)

BACHELOR OF EDUCATION (ARTS)

BACHELOR OF ARTS

AGE 103: SPATIAL ORGANIZATION

DATE: 30/8/2022

TIME: 8.30-10.30 AM

INSTRUCTIONS:

Answer question ONE and TWO other questions

QUESTION ONE (30 MARKS)

- a) Citing relevant examples, explain the following concepts
 - i. Spatial organization (2 marks)
 - ii. Distance-decay (2 marks)
 - iii. Functional region (2 marks)
 - iv. Spatial diffusion (2 marks)
 - v. Growth pole theory (2 marks)
- b) Discuss the following perspectives used to explain the human-environment relationships
 - i. Environmental determinism (5 marks)
 - ii. Possibilism (5 marks)
- c) Using examples, explain the key barriers to spatial interactions (10 marks)

QUESTION TWO (20 MARKS)

- a) Explain different types of regions used to study spatial organization of geographical phenomena (6 marks)
- b) Explain the key principles used to study spatial interactions in human geography (6 marks)
- c) Discuss the Von Thunen's model of agricultural land use (8 marks)

QUESTION THREE (20 MARKS)

Using examples, discuss the potential impacts of human activities on the physical environment of any given area

QUESTION FOUR (20 MARKS)

Using suitable examples, discuss how spatial diffusion can hinder or enhance development in a certain area

QUESTION FIVE (20 MARKS)

Using suitable examples, discuss the Weber's theory of industrial location