



MACHAKOS UNIVERSITY COLLEGE

(A Constituent College of Kenyatta University)

University Examinations 2015/2016

SCHOOL OF AGRICULTURE AND ENVIRONMENTAL SCIENCE

DEPARTMENT OF ENVIRONMENTAL STUDIES

FIRST SEMESTER EXAMINATION FOR BACHELOR OF SCIENCE

DEGREE IN ENVIRONMENTAL STUDIES

ECD 306: HUMAN SETTLEMENT, ENVIRONMENT AND DEVELOPMENT

Date:

Time:

INSTRUCTIONS:

1. This examination paper contains two (2) sections: Section “A” has one (1) compulsory question. Section “B” has four (4) questions. Answer question 1 in Section “A” and any Two (2) questions in Section “B”.
2. Read each question carefully before attempting it.

SECTION A:

QUESTION ONE (COMPULSORY)

- a) Explain the following:
 - (i) Settlement (2 marks)
 - (ii) Settlement patterns (2 marks)
 - (iii) Floating population. (2 marks)
- b) Explain different types of settlements (6 marks)
- c) Outline six (6) guiding principles governing the improvement of human quality of life (6 marks)
- d)
 - (i) What is the UN-Habitat? (2 marks)
 - (ii) Explain the mandate of the UN-Habitat. (3 marks)
- e)
 - (i) What are the four core functions assigned to the UN-Habitat by world governments? (4 marks)
 - (ii) What are the three (3) principles that are embodied in sustainable urban communities to achieve sustainable development? (3 marks)

SECTION B: ANSWER ANY TWO (2) QUESTIONS FROM THIS SECTION

QUESTION TWO

- a) Explain six (6) ways in which the challenges in planning and implementing human settlements in Kenya can be tackled. (12 marks)
- b) Explain four (4) factors that influence human settlement globally. (8 marks)

QUESTION THREE

- a) Explain five (5) difficulties (challenges) facing the world in meeting basic human needs. (10 marks)
- b) Describe (5) **general drivers** of settlement patterns. (10 marks)

QUESTION FOUR

- a) Explain six (6) basic requirements for planning shelter, infrastructure and services. (12 marks)
- b) Describe human health and environmental problems associated with landfills that are used as dumping sites for domestic solid waste. (8 marks)

QUESTION FIVE

- a) Outline four (4) recommendations for provision of relevant housing policies. (8 marks)
- b) What are the implications for the County governments on settlement dynamics resulting from rural-urban migration challenges. (4 marks)
- c) Explain the role of the four (4) institutions under the Environmental Management and Coordination Act (EMCA) 1999. (8 marks)