



UNIVERSITY OF SWAZILAND
Faculty of Health Sciences
Department of Environmental Health Science

DEGREE IN ENVIRONMENTAL HEALTH SCIENCES

FINAL EXAMINATION PAPER MAY 2016

TITLE OF PAPER : HOUSING AND URBAN DEVELOPMENT

COURSE CODE : EHM 301

DURATION : 2 HOURS

MARKS : 100

INSTRUCTIONS :

- : READ THE QUESTIONS & INSTRUCTIONS CAREFULLY
- : ANSWER **ANY FOUR** QUESTIONS
- : EACH QUESTION **CARRIES 25** MARKS.
- : WRITE NEATLY & CLEARLY

- : NO PAPER SHOULD BE BROUGHT INTO THE EXAMINATION ROOM.

- : BEGIN EACH QUESTION ON A SEPARATE SHEET OF PAPER.

DO NOT OPEN THIS QUESTION PAPER UNTIL PERMISSION IS GRANTED BY THE INVIGILATOR.

QUESTION ONE

- a) There are at least four ways to carry out settlement upgrading. Give all the four and explain the differences between them. [16]
- b) What are the key differences between gated and un-gated community types of townships? [9]

QUESTION TWO

- a) As an Environmental Health Officer working for Nhlngano Town Council you are asked to evaluate housing estate from a structural point of view. Outline the principles you would use in order to give a holistic overview of the housing estate. [15]
- b) Choose and justify the need for at least five urban themes as proposed by UN Habitat [10]

QUESTION THREE

- a) Give six factors in a house that may warrant provision of ventilation [6]
- b) Differentiate between problems created by urban sprawl and urban decay respectively in a city [8]
- c) Summarize the old and the new paradigm of Housing policy [11]

QUESTION FOUR

- a) Explain the process of natural ventilation in buildings [5]
- b) Describe air conditioning as a means of ventilation in modern houses. What are the advantages over other systems? [6]
- c) Discuss advantages and disadvantages of the following housing tenure types: [8]
 - i. Owner occupied
 - ii. Private rental;
 - iii. Rented from Housing Associations;
 - iv. Rented from Local Authorities
- d) What are the key differences between the old and new paradigm in zoning regulations? [6]

QUESTION FIVE

- a) Distinguish between the general social, cultural and economic factors that drive housing production [15]
- b) Give five reasons why people rent [5]
- c) What are the five determinants of housing costs [5]