

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



DEGREE IN ENVIRONMENTAL HEALTH SCIENCES

MAIN EXAMINATION PAPER MAY 2019

TITLE OF PAPER : HOUSING AND URBAN DEVELOPMENT

COURSE CODE : EHS 326

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.

QUESTION ONE

- a) Define the terms:
 - i. Brownfield [1]
 - ii. Greenfield [1]
 - iii. Gender [1]
- b) Specify the relevant pieces of legislations and policies that constitute the legal and policy framework for housing in Swaziland. [8]
- c) What do you understand by the following in housing and urban development:
 - i. Socioeconomic aspects [2]
 - ii. Physical aspects [2]
- d) With regards to zoning in urban development describe and give examples of;
 - i. Single use zoning [5]
 - ii. Mixed use zoning [5]

QUESTION TWO

- a) There are four basic principles for healthful housing. State them and give three examples under each. [12]
- b) Sustainable human settlements in an urbanizing world is a buzz work. Give four qualities of a sustainable human settlement. [4]
- c) Functional Housing Design is an important concept in housing. What does it entail? [5]
- d) Explain what is meant by good settlement design and planning [4]

QUESTION THREE

- a) The following diagram shows a particular township layout depicting several cul-de-sac.



- i. How many such cul-de-sac does this township have? [3]
 - ii. Explain briefly the significance of including these cul-de-sac in township layouts. [3]
- b) The term 'Housing' has a broader meaning than the word 'house'. Differentiate between the conceptualization of housing by John F Turner and UNHabitat [8]
- c) Discuss housing as an
 - i. Environment issue [4]
 - ii. Urban development issue [4]
- d) As a student of Housing Studies you are asked to give advice for suitable conditions for working indoor environments. What would you advise? [3]

QUESTION FOUR

- a) Ventilation is very important in housing.
 - i. define ventilation [1]
 - ii. state five objectives served by ventilation in housing [5]
- b) Indoor environments and outdoor environments are critical in human settlements.
 - i. Outline aspects of the indoor environments from the physical point of view [5]
 - ii. Outline aspects of the outdoor environments from a social point of view as per the Holma model [5]
- c) You have been invited to visit an old informal settlement in Manzini for purposes of profiling the conditions therein. Highlight at least six housing conditions you will expect to find at this place. [6]
- d) As a graduate of housing studies you are appointed to advise the municipalities in Swaziland on how to strengthen their property tax systems. Outline at least three focus areas that you would advise that need strengthening. [3]

QUESTION FIVE

- a) According to UN Habitat which ten programs must a local authority focus on in order to be highly rated in urban development issues? [10]
- b) Indicate at least five critical policy issues and programmes to be undertaken in Swaziland as part of the National Housing Policy [5]
- c) Explain the statement 'if the housing market claims to be a market it must fully represent the market economy' [3]
- d) Outline the critical steps in the property development process [3]
- e) Considering the Maslows hierarchy of needs theory. Describe how the five levels in this theory gets linked to housing. [4]