

UNIVERSITY OF SWAZILAND
Faculty of Health Sciences

**DIPLOMA IN ENVIRONMENTAL HEALTH
SCIENCE**
MAIN EXAMINATION PAPER MAY 2012

TITLE OF PAPER : HOUSING AND HEALTH

COURSE CODE : EHS 304

DURATION : 2 HOURS

MARKS : 100

INSTRUCTIONS : ANSWER ANY FOUR QUESTIONS

: EACH QUESTION CARRIES 25 MARKS

: BEGIN EACH QUESTION ON A
SEPARATE SHEET OF PAPER

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

EHS 304 P May 2012 Housing and Health

QUESTION ONE

- a) Housing has many role players. Choose five stakeholders and outline the roles and motivations behind their actions in the housing market. [5]
- b) Explain the significance of the fundamental principles of healthful housing [12]
- c) How are the three principles underpinning Urban Management Development for any successful city linked to housing? [3]
- d) Discuss the concept 'lighting zones of comfort in general terms and for the various zones including classroom, operating theatre, and toilet'. [5]

QUESTION TWO

- a) The term '*Housing*' has a broader meaning than the word 'house'. Discuss what you understand by the term 'housing' [10]
- b) In a housing project, three quality issues matter to an EHO. Name them and outline the role of an EHO in each issue. [10]
- c) List seven costs related to a housing project. For each give an example. [5]

QUESTION THREE

- a) List seven attributes that you would find in a healthy and safe house [7]
- b) What constitutes a statutory nuisance particularly in housing according to the Public Health Act 5 of 1969? [10]
- c) Define housing and land tenure systems for Swaziland [8]

QUESTION FOUR

- a) What are the desired atmospheric conditions in an ordinary work room? [5]
- b) Environmental Health Officers often exercise discretion in housing issues. Is it always fair? What are the pitfalls? [5]
- c) What are the three qualities of artificial light? [5]
- d) Mention five basic parameters in physics that best describe the nature of light [5]
- e) What are the two temporary methods of controlling glare [5]

QUESTION FIVE

- a) Outline the procedure followed in measuring light efficiency and visual efficiency using the light meter [8]
 - b) What are the light standards for healthcare facilities? [8]
 - c) What are the underlying causes of informality? [5]
 - d) Why is human settlement upgrading necessary? [4]
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