



UNIVERSITY OF SWAZILAND
Faculty of Health Sciences
DIPLOMA IN ENVIRONMENTAL HEALTH
FINAL EXAMINATION PAPER 2005

- TITLE OF PAPER** : HOUSING AND HEALTH
- COURSE CODE** : EHS 304
- DURATION** : 3 HOURS
- MARKS** : 100
- INSTRUCTIONS** :
- : ANSWER ANY FIVE QUESTIONS
 - : EACH QUESTION CARRIES 20 MARKS.
 - : NO PAPER SHOULD BE BROUGHT INTO NOR OUT OF 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.

Final examination

QUESTION ONE

- (a) What is a housing layout (6)
- (b) Detail five factors to be considered in planning a housing layout (5)
- (c) List four different types of residential houses that can be set in a given settlement (4)
- (d) Name two housing layout that can be used to take the account of topography. (5)

QUESTION TWO

Describe what makes a good standard of a dwelling house. (20)

QUESTION THREE

- (a) List three principles of housing development other than Psychological. (5)
- (b) Describe the psychological needs in housing programme / development. (15)

QUESTION 4.

- a) How does air become vitiated by the following processes?
 - i. Respiration. (4)
 - ii. Combustion. (4)
 - iii. Decomposition. (4)
 - iv. Manufacturing Processes. (4)
- b) What are the ill-effects as a result of vitiated air (4)

QUESTION 5.

- a) Define the term ventilation. (2)
- b) What are the objectives of ventilation. (3)
- c) Discuss mechanical ventilation under the following systems:
 - i. Exhaust or Extractor. (5)
 - ii. Supply or Plenum. (5)
 - iii. Air-conditioner. (5)

QUESTION 6.

As an Environmental Health Officer, under your area of jurisdiction is the Matsapha Industrial area, A new Textile factory has just began operating.

How would you carry out an inspection of ventilation in the factory? (20)