

NATIONAL UNIVERSITY OF LESOTHO

BSc ENVIRONMENTAL HEALTH

SUPPLIMETORY EXAMINATIONS

19th August 2023

TIME: 3 HOURS

EHS2301: HOUSING AND HEALTH

100 Marks

Instructions to candidates

- 1. Attempt to all questions**
- 2. Number the answers correctly**
- 3. Read the questions correctly and the points allocated**

QUESTION 1 (10)

- a) Define the following terms as used in Housing and Health
 - i. Premises (2)
 - ii. Dwelling (2)
 - iii. Luminous flux (2)
 - iv. Natural Lighting (2)
 - v. Blighted area (2)

QUESTION 2 (20)

- (a) Mention 5 generally accepted goals of housing (5)
- (b) Mention 4 Fundamental Psychologic Needs (4)
- (c) Mention 5 social and economic characteristics that Housing standards depend on (5)
- (d) Explain 3 indicators of housing to assess the quality of life (6)

QUESTION 3 (30)

- (a) The role of flies in vector transmission of specific pathogens in housing is sometimes debated. However, one disease where there is good available evidence flies-human transmission is typhoid fever carried by *Salmonella typhi*, What are the other 3 species that can be carried by flies and the disease each causes (6)
- (b) Discuss 5 guidelines for controlling fleas in housing (10)
- (c) Mention 4 management strategies for controlling cockroaches in housing (8)
- (d) Discuss the following social determinants of health in poor housing (6)
 - (i) Chronic Diseases
 - (ii) Neighborhood Effects
 - (iii) Mental health

QUESTION 4 (20)

The Government of Lesotho (GoL) has long recognized the growing challenge the country is facing as a result of the broadening gap between housing supply and demand; and the need for a housing policy to comprehensively address the challenge. However, The National Housing Policy for Lesotho of 2018 is structured in four sections.

- a) Mention 10 objectives of National Housing Policy 2018 of Lesotho (10)
- b) Briefly mention criteria while selecting suitable site for the Commercial site (6)
- c) As Environmental health practitioner deployed at Morija Hospital, what advice will you give to the infection and control team lead by you, on the ventilation and spread of airborne infections in crowded wards (4)

QUESTION 5 (20)

Mention 2 Types (source) of Lighting (2)

- (a) List the characteristics of good lighting (4)
- d) Discuss 4 factors affecting good lighting in housing (8)
- e) Discuss the following factors under Heating systems in a building; **Conduction, Convection and Radiation:** (6)

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