



PAMIBIA UNIVERSITY
OF SCIENCE AND TECHNOLOGY

FACULTY OF HEALTH AND APPLIED SCIENCES

DEPARTMENT OF PREVENTATIVE HEALTH SCIENCES

QUALIFICATION: BACHELOR OF ENVIRONMENTAL HEALTH SCIENCES	
QUALIFICATION CODE: 08 BOHS	LEVEL: 5
COURSE NAME: HOUSING AND HEALTH	COURSE CODE: HAH 521S
SESSION: JANUARY 2024	PAPER: THEORY
DURATION: 3 HOURS	MARKS: 100

SECOND OPPORTUNITY: QUESTION PAPER

FIRST OPPORTUNITY: QUESTION PAPER

EXAMINER: Ms. Charmaine Jansen

MODERATOR: Mr. Joshua Hidinwa

INSTRUCTIONS

1. Answer the questions in Sections A, B and C
2. Please write neatly and legibly.
3. Do not use the left-side margin of the exam paper. This must be allowed for the examiner.

PERMISSIBLE MATERIAL:

1. Non-Programmable Calculator

THIS QUESTION PAPER CONSISTS OF 4 PAGES (Including this front page)

SECTION A:**[30 MARKS]****QUESTION 1:****(10 Marks)**

- 1.0 Evaluate the statements and select whether the statement is true or false. Write the word 'True' or 'False' next to the corresponding number on your ANSWER SHEET. [10]
- 1.1 When you build a house, the minimum height should be 1.5 m in the South because, people at the South are short and 2.5 m at the East because people in the East. are big and tall. [1]
- 1.2 A gutter does not collect the rainwater and transports it to the storm water drains. [1]
- 1.3 Oil paint is a requirement at the informal settlement and formal houses. [1]
- 1.4 Building toilets for the community falls under secondary care for HIV AIDS patients. [1]
- 1.5 Overcrowding in an informal settlement increases the hypertension in the community and decreases the Tuberculosis in the community. [1]
- 1.6 The colouring of red materials on the building plan indicates a water pipe. [1]
- 1.7 The structure of the houses in Havana informal settlement contributed to the high reported swine flu cases in Havana. [1]
- 1.8 The external walls minimum width should be not less than 220mm. [1]
- 1.9 A public swimming pool is an important facility in a town. [1]
- 1.10 Any town should have a police station for proper town planning. [1]

QUESTION 2**(10 Marks)**

2.0 Describe in one word or a few sentences the following words to the pre-primary pupils.

- 2.1 Sewage [1]
- 2.2 Hygiene [1]
- 2.3 Diarrhoea [1]
- 2.4 Conducive Environment [1]
- 2.5 Ventilation [1]
- 2.6 Illumination [1]
- 2.7 Primary Health Care [1]
- 2.8 Contamination [1]
- 2.9 Microorganisms [1]

QUESTION 3**(10 Marks)**

3.0 Match the term in Column A with the correct description in Column B.

[10]

COLUMN A	COLUMN B	
3.1 Basic urban zones	A. Planning" is concern about the future; in its broadest sense being the future health, wealth and welfare of a given community or population.	[1]
3.2 Village	B. An isolated settlement consisting of one house.	[1]
3.3 Farm	C. A settlement with a few services such as a church, public house, and a small shop.	[1]
3.4 Evaluation	D. A settlement of only a few houses with no services.	[1]
3.5 City	E. Outcome indicators measure the long-term effect of the activity on the target population.	[1]
3.6 Cartographer	F. An action whereby an existing formal or informal settlement is regularized to provide a form of security of tenure or where new or additional municipal services are installed or a combination of these is pursued.	[1]
3.7 Town	G. It is the systematic investigation of the worth or merit of a project or programme .	[1]
3.8 Outcome indicators	H. A very large settlement with a large railway station, shopping complex, cathedral, large hospital, museum university and office blocks.	[1]
3.9 Upgrading	I. A person that draws maps.	[1]
3.10 Town/Land Use Planning	J. An Urban zones fall into one of five major categories: residential, institutional, commercial, industrial and public open spaces	[1]

SECTION B:**[40 MARKS]**

Please answer ALL of the questions in this section.

QUESTION 4 (10 Marks)

4.0 Write short notes on the following:

4.1 Ohorongo cement 32.5 and Ohorongo cement 42.5

[4]

4.2 Storm water drain, and sewage drain.

[2]

4.3 External and internal doors and door frames. [4]

QUESTION 5 (10 Marks)

5.0 List at least ten important facilities a town should have for proper town planning. [10]

QUESTION 6 (20 Marks)

6.1 Mention the principles of town planning. [2x5]

6.2 Elaborate on the benefits of town planning to the CEO of the town council. [10]

SECTION C: [40 MARKS]

Please answer ALL the questions in this section.

QUESTION 7 (20 Marks)

7.0 Table the advantages as well as the disadvantages of ZONING. [20]

QUESTION 8 (20 Marks)

8.0 Discuss the elements which categorise a healthy house. [20]

END OF QUESTION PAPER