



**NAMIBIA UNIVERSITY
OF SCIENCE AND TECHNOLOGY**

FACULTY OF HEALTH , APPLIED SCIENCES AND NATURAL RESOURCES

DEPARTMENT OF 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 2023	PAPER: THEORY
DURATION: 3 HOURS	MARKS: 120

SUPPLEMENTARY /SECOND OPPORTUNITY EXAMINATION QUESTION PAPER	
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MODERATOR:	MR IMMANUEL ZERIAPI

INSTRUCTIONS	
<ol style="list-style-type: none">1. Answer all the questions in Section A, B and C2. Write clearly and neatly.3. Number the answers clearly.	

THIS QUESTION PAPER CONSISTS OF 5 PAGES (Including this front page)

SECTION A [30 MARKS]

QUESTION 1 (10 Marks)

1.0 Indicate if the statement is true or false.

- 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 stormwater 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 coloring 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 Match the term in Column A with the correct description in Column B.****[10]**

COLUMN A	COLUMN B	
2.1 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]
2.2 Village	B. An isolated settlement consisting of one house	[1]
2.3 Farm	C. A settlement with a few services such as a church, public house, and a small shop.	[1]
2.4 Evaluation	D. A settlement of only a few houses with no services.	[1]
2.5 City	E. Outcome indicators measure the long-term effect of the activity on the target population.	[1]
2.6 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]
2.7 Town	G. It is the systematic investigation of the worth or merit of a project or programme	[1]
2.8 Outcome indicators	H. A very large settlement with a large railway station, shopping complex, cathedral, large hospital, museum university and office blocks	[1]
2.9 Upgrading	I. A person that draws maps	[1]
2.10 Town/Land Use Planning	J. An Urban zones fall into one of five major categories: residential, institutional, commercial, industrial and public open spaces	[1]

QUESTION 3 (10 Marks)

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

- | | | |
|------|-----------------------|-----|
| 3.1 | Primary Health Care | [1] |
| 3.2 | Contamination | [1] |
| 3.3 | Microorganisms | [1] |
| 3.4 | Sanitation | [1] |
| 3.5 | Sewage | [1] |
| 3.6 | Hygiene | [1] |
| 3.7 | Diarrhoea | [1] |
| 3.8 | Conducive Environment | [1] |
| 3.9 | Ventilation | [1] |
| 3.10 | Illumination | [1] |

SECTION B (50 MARKS)

QUESTION 4 (30 Marks)

4.0 Write short notes on the following:

- | | |
|-----------------|------|
| 4.1 Doors | [6] |
| 4.2. Foundation | [2] |
| 4.3 Pipes | [8] |
| 4.4 Drains | [4] |
| 4.5 Walls | [10] |

QUESTION 5 (20 Marks)

- | | | |
|-----|--|------|
| 5.1 | Summarize the challenges and constrains a local authority might experience when proper town planning was not practice. | [10] |
| 5.2 | Differentiate between urban and rural settlements. | [10] |

SECTION C [40 MARKS]

QUESTION 6 (20 Marks)

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

QUESTION 7 (20 Marks)

7.0 Differentiate between formal and informal settlements. [20]

GOOD LUCK