



**NAMIBIA UNIVERSITY
OF SCIENCE AND TECHNOLOGY**

FACULTY OF HEALTH AND APPLIED SCIENCES

DEPARTMENT OF HEALTH SCIENCES

QUALIFICATION: ENVIRONMENTAL HEALTH SCIENCES	
QUALIFICATION CODE: 08BEHS	LEVEL: 6
COURSE CODE: HAH 512S	COURSE NAME: HOUSING AND HEALTH
SESSION: JANUARY 2019	PAPER: THEORY
DURATION: 3 HOURS	MARKS: 100

SECOND OPPORTUNITY/SUPPLEMENTARY EXAMINATION QUESTION PAPER	
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INSTRUCTIONS
<ol style="list-style-type: none">1. Answer ALL the questions.2. Write clearly and neatly.3. Number the answers clearly.

PERMISSIBLE MATERIALS: NONE

THIS QUESTION PAPER CONSISTS OF 3 PAGES (Including this front page)

SECTION A [MARKS]

QUESTION 1

(10 MARKS)

- 1.0 Assess the following statements and decide whether they are **true or false**.
- 1.1 Areas where the underground water lies close to the surface are unsuitable for construction of a dwelling. [1]
- 1.2 All commercial buildings should have both natural lighting and the necessary artificial lighting. [1]
- 1.3 Storm water management protect health, welfare and safety of the public. [1]
- 1.4 Sash weights are heavy cast iron or lead weights inside the window frame. [1]
- 1.5 The document shows the scheme area and the responsibility. [1]
- 1.6 The minimum height of a passage or entrance should be 2.4 meter. [1]
- 1.7 A hamlet is an isolated settlement consisting of one house. [1]
- 1.8 A site plan shows the South Point. [1]
- 1.9 Adaptation is the ability to distinguish between details that are very close. [1]
- 1.10 Bright lighting causes discomfort and fatigue. [1]

QUESTION 2

(10 MARKS)

2.0 Match the term in Column A with the correct description/definition in Column B. (10)

COLUMN A	COLUMN B
2.1 Full scale	A. The process of lighting an object.
2.2 Visual outlines	B. These show members or portions of the structure in a larger scale than the other drawings.
2.3 Luminance	C. Green
2.4 Plans	D. Red
2.5 Detail drawings	E. Object neither very large or very small and can be drawn as it actually is.
2.6 Waste pipes	F. Is a view that shows a certain layer or horizontal section of a building as if it were looked at from above.
2.7 Proposed work	G. Means brightness of the light.
2.8 Lumination	H. Not coloured
2.9 Storms water drains	I. Grey
2.10 Existing materials	J. Bold continuous lines, should stand out clearly.

QUESTION 3**(10 MARKS)**

3. Define the following terms:

3.1 Health [4]

3.2 Informal housing [3]

3.3 Ventilation [3]

SECTION B [30 MARKS]**QUESTION 4****(10 MARKS)**

4.1 Briefly explain what layout the drawings should contain on the site plan. [5]

4.2 List the importance of working drawings. [5]

QUESTION 5**(20 MARKS)**

5.1 Compile a list of hidden cost during a construction. [10]

5.2 Outline the advantages and disadvantages of zoning. [10]

SECTION C [40 MARKS]**QUESTION 6****(20 MARKS)**

6.1 Explain the effects of poor lighting in a habitable room. [10]

6.2 Elaborate on the Town Planning Scheme of Windhoek. [10]

QUESTION 7**(20 MARKS)**

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

GOOD LUCK**END OF THE EXAM**