

# **FACULTY ART DESIGN AND ARCHITECTURE**

# 2014 November

### **Main Assessment**

## DEPARTMENT OF ARCHITECTURE

**MODULE NAME** : Housing IV

MODULE CODE : BHS 41-1

DATE : 11 November 2014

**DURATION**: 180

**TIME** : 12:30

TOTAL MARKS : 100

ASSESSOR(S) : H.M. Dodd

**MODERATOR(S)** : Dr S. Charlton

**NUMBER OF PAGES**: 3

# **INSTRUCTIONS TO CANDIDATES:**

- Question papers must be handed in.
- This is an open book assessment.
- Read the questions carefully and answer only what is asked.
- Answer all questions
- Number your answers clearly.
- Write neatly and legibly.
- Structure your answers by using appropriate headings and sub-headings.
- The general University of Johannesburg policies, procedures and rules pertaining to written assessments apply to this assessment.

## University of Johannesburg - Faculty of Art Design and Architecture

2014 November - Main Assessment

Module Name: Housing IV Module Code: BHS41-1

2

#### **QUESTION 1**

- (a) Discuss the concept of a 'housing ladder' in relation to housing supply and demand (5)
- (b) Housing can be seen as an 'asset'. Describe what this means in terms of the investment of the state in a housing delivery programme and the role of the housing market.

  (10)

(c) The Peruvian economist, Hernando de Soto describes the concept of "dead capital" Describe the implications of this concept in relation to the housing market.

(10)

[25]

### **QUESTION 2**

(a) Define the concept of DENSITY. Discuss its impact on urban life, ecology, form, infrastructure and services. Discuss both positive and negative impacts.

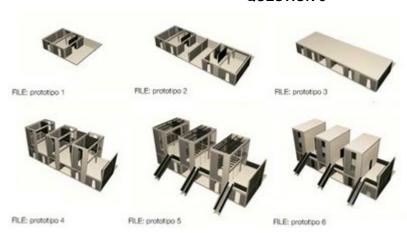
(10)

(b) Using a specific example of a housing type, discuss its impact in terms of urban morphology and urban footprint.

(10)

[20]

### **QUESTION 3**



In relation to the work of Alejandro Aravena and Elemental in Chile, how are the theories of one of the following – John Habraken (Supports), Nabeel Hamdi (Supporter vs provider paradigm) or John Turner (Housing as a verb) integrated into this example?

(20)

[20]

# University of Johannesburg - Faculty of Art Design and Architecture

2014 November - Main Assessment

Module Name: Housing IV Module Code: BHS41-1

3

## **QUESTION 4**

You have been appointed to an Urban Regeneration Task Team in the Mayor's office tasked with putting together a strategic plan for the redevelopment of an area of the city including existing building stock and brownfields sites. Write a motivation for the inclusion of different housing models.

(30)

In terms of the above, explain how your proposed development might be considered in terms of green building principles.

(5)

[35]

TOTAL MARKS FOR PAPER

[100]