



NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY

FACULTY OF THE BUILT ENVIRONMENT

DEPARTMENT OF ARCHITECTURE

URBAN PLANNING AND DESIGN I

AAR 3106

Supplementary Examination Paper

JULY 2016

This examination paper consists of 3 pages

Time Allowed: 3 hours

Total Marks: 100

Special Requirements: A3 Bond Paper

Examiner's Name: Mr. Q. Ndebele

INSTRUCTIONS

1. Answer any Four **(4)** Questions
2. Each question carries **25 marks**
3. Where required give examples and draw illustrations and diagrams

MARK ALLOCATION

| QUESTION | MARKS |
|-----------------|--------------|
| 1. | 25 |
| 2. | 25 |
| 3. | 25 |
| 4. | 25 |
| 5. | 25 |
| 6. | 25 |
| TOTAL | 100 |

Question 1

'Urbanizing Africa is experiencing quite a number of problems which cannot be solved through the traditional planning tools only.' In view of this statement, discuss how urban design can be considered as complimentary solutions to rapid urbanization challenges in Zimbabwe.

Question 2

- a) What role can the various stake holders in Bulawayo play in the development of the city? [10]
- b) To what extent do you consider the Bulawayo City Council's Master Plan of 1988 to still be relevant in light of the contemporary setup of Bulawayo? [15]

Question 3

- a) Investigate the ways in which industrial cities are different from modern cities [10]
- b) Provide a critique of some of the steps that have been taken to mitigate the challenges of industrial cities. [15]

Question 4

With reference to the **CBD** of your choice, discuss how the following pairs of urban design principles and elements help make up a functional city scape.

- a) Colour and form [5]
- b) Line and space [5]
- c) Light and texture [5]
- d) Dominance and balance [5]
- e) Ergonomics and rhythm [5]

Question 5

By using examples or illustrations, briefly describe the following terms or phrases as used in urban design practice:

- a) Permeability [5]
- b) Transit Oriented Development [5]
- c) Public Realm [5]
- d) Slums [5]
- e) Landmarks [5]

Question 6

Examine how the following urban design approaches can help arrest urban sprawl and decay in the city of your choice in Zimbabwe:

- a) Compact city [10]
- b) Smart city [10]
- c) Inner city [5]