

NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY
FACULTY OF THE BUILT ENVIRONMENT

DEPARTMENT OF ARCHITECTURE
BACHELOR OF ARCHITECTURE (HONOURS) DEGREE
2010-2011 ACADEMIC YEAR
PART III – FIRST SEMESTER EXAMINATIONS – JANUARY 2011
AAR 3106 – URBAN PLANNING AND DESIGN I

Instructions

Time: 3 hours

Answer *any 3 questions in Section A and any one in Section B.*
Number all sheets

SECTION A

QUESTION 1

- (a) With the aid of examples, outline the dynamics that gave birth and growth of cities of the world. [13]
- (b) Describe the characteristics of Medieval, Ancient, Neo – Classical and ultra –Modern cities. [12]

QUESTION 2

Describe the critical factors considered in site planning for urban development. [25]

QUESTION 3

Using illustrations, discuss issues and models that influence the urban pattern and form. [25]

QUESTION 4

Outline the urban design principles and elements and discuss their relevance in our contemporary cities. [25]

SECTION B

QUESTION 5

Briefly explain the urban problems and with examples in Zimbabwe, discuss how the operative planning paradigms attempt to solve those problems. [25]

QUESTION 6

Using the National University of Science and Technology (**NUST**) campus layout provided, describe the application of any **5** concepts stated below from **a** to **f** in urban design and campus morphology.

- (a) Pedestrian walkways (5)
- (b) Central Plaza (5)
- (c) City Furniture (5)
- (d) Skyline (5)
- (e) Boulevard (5)
- (f) Landmark (5)

[25]

