



NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY

FACULTY OF THE BUILT ENVIRONMENT

DEPARTMENT OF ARCHITECTURE

URBAN PLANNING AND DESIGN I

AAR 3106

Examination Paper

December 2014

This examination paper consists of 2 pages

Time Allowed: 3 hours

Total Marks: 100

Special Requirements: NONE

Examiner's Name: MR A. B. NCUBE

INSTRUCTIONS

1. Answer any four (4) Questions.
2. Use illustrations or sketches where appropriate.

MARK ALLOCATION

QUESTION	MARKS
1.	25
2.	25
3.	25
4.	25
5.	25
TOTAL	100

QUESTION 1

Compare and contrast the development of any African city you have studied to that of any European city.

QUESTION 2

Explain the following urban planning models.

- (i) Concentric model (8)
- (ii) Sector model (8)
- (iii) Multiple Nuclei model (9)

QUESTION 3

- a) Outline the key differences between the setup of a Colonial City and an Industrial City. (13)
- b) What urban solutions can be used to solve the major challenges/problems of ageing Industrial Cities? (12)

QUESTION 4

By using examples, compare and contrast Comprehensive Planning and Sectorial Planning frameworks.

QUESTION 5

Discuss the importance of the following public spaces to the urban environment in which they exist(ed).

- (i) Agora (5)
- (ii) Coliseum/ Amphitheatre (5)
- (iii) The Hill Enclosure (5)
- (iv) The Gothic Cathedral (5)
- (v) Public Square (5)

QUESTION 6

Critically analyse the concept of urban regeneration and show its applicability to modern design of cities?