NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY

FACULTY OF BUILT ENVIRONMENT

DEPARTMENT OF ARCHITECTURE

URBAN PLANNING AND DESIGN II

AAR 3207

Examination Paper

May 2017

This examination paper consists of 3 pages

Time Allowed: **3 hours**

Total Marks: **100**

Special Requirements: **None**

Examiner's Name: **Ndebele Q.**

INSTRUCTIONS

1. Answer any three questions in Section A and Section B (Compulsory).
2. Use eligible sketches Not to Scale (**NTS**) where necessary.

MARK ALLOCATION

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

SECTION A

QUESTION ONE

a. Industrial Decay is a rampant problem in many Zimbabwean cities currently; discuss the possible solutions that can be implemented to solve the problem. (15)
b. To what extent might Zoning and City By-Laws pose limitations to the solutions you have discussed? (10)

QUESTION TWO

With the aid of sketches and examples, discuss in detail 4 urban design principles one might consider in the designing of a Public Square in a contemporary urban environment.

QUESTION THREE

a. Expand on the following Urban Planning Theories
i. Substantive planning theory (5)
ii. Procedural Planning theory (5)
iii. Justificatory theory (5)
b. What are the advantages of the Sectoral Planning Model over the Concentric Planning model when planning for under-developed cities? (10)

QUESTION FOUR

Within the scope of any Zimbabwean City of your choice, discuss the extent to which urban sprawl has affected the city.

QUESTION FIVE

Discuss the following terms as they relate to urban design

i. Animation (5)
ii. Way Finding (5)
iii. Legibility (5)
iv. Function and fit (5)
v. Order and incident (5)

SECTION B

QUESTION 6 (COMPULSORY)

a. Evaluate the extent to which a Smart City approach would be a suitable Urban Solution to the various challenges faced by Bulawayo city. (15)
b. Discuss the limitations that the Bulawayo City Council might face in implementing the Smart city approach. (10)

