

**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 SUPPLEMENTARY EXAMINATIONS –  
AUGUST 2011  
**AAR 3106 – URBAN PLANNING AND DESIGN I**

Instructions

*Time: 3 hours*

Answer **any 4 questions**.

Number all sheets

**QUESTION 1**

Describe the major differences between the classical and ultra-modern cities. [25]

**QUESTION 2**

With the aid of illustrations, describe any three models of urban patterns. [25]

**QUESTION 3**

To what extent are the principles and elements of site planning and urban design applicable in your contemporary urban development. [25]

**QUESTION 4**

By using the National University of Science and Technology campus layout provided, apply the following urban design and form concepts;

- (i) Agora (5)
- (ii) Pedestrian Walkway (5)
- (iii) Skyscraper for NUST (5)
- (iv) Public furniture (5)
- (v) Landmark. (5)

[25]

**QUESTION 5**

Explain the following planning paradigms as applied in the city of your choice.

- (i) Comprehensive
- (ii) Strategic
- (iii) Advocacy
- (iv) Good Governance
- (v) Sectoral

[25]

**QUESTION 6**

Describe the nature of the urban problems of cities of the developing countries. [25]

**End of examination**