



PROGRAM : NATIONAL DIPLOMA
TOWN AND REGIONAL PLANNING

SUBJECT : PLANNING DESIGN II

CODE : DPS 211

DATE : SUMMER EXAMINATION 2015
10 NOVEMBER 2015

DURATION : (SESSION 1) 08:30 - 10:30

WEIGHT : 50:50

TOTAL MARKS : 100

EXAMINER : MR Z MBINZA

MODERATOR : MR E MAKONI

NUMBER OF PAGES : 2 PAGES.

2465

INSTRUCTIONS TO CANDIDATES

- PLEASE ANSWER ALL QUESTIONS
 - YOU MUST SHOW COMPETENCY IN THEORY, CONCEPT AWARENESS, LOCATION, DESIGN LAYOUT AND SCALE.
 - READ THE PAPER AS A WHOLE BEFORE YOU START
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QUESTION 1: THEORY

- 1.1 Show how the tension of political expedience vs sustainability threatens South African city projects towards achieving the objective of just and livable settlements. (20)
- 1.2 Make a compelling case for the adoption of neighbourhood design principles for the revitalization of derelict urban spaces within cities. (20)

- 1.3 Provide a critique on the limitations of New Urbanism when applied to South African townships. (20)

[60]

QUESTION 2: SUBDIVISIONAL LAYOUT PLAN CALCULATIONS

Given: A Development Site with a total site area of 835 456m² and a road reservation of 19%.

Calculate the following:

- a) Total number of units at a base density of 50 dwelling units per hectare.
- b) Erf size (include proper dimensioning of each)
- c) Total number of neighbourhoods
- d) Permissible number of primary schools and high schools

[15]

QUESTION 3

3.1 Prepare a group housing development proposal based on actual calculations assuming there is a total of 48 final three storey units provided. The unit size is 70 m² total site area of the site is 1.25 Ha. The road reserve allocation is 15% of the total group housing site. The parking ratio is 1.5 parking bay(s) per unit.

[25]

TOTAL [100]