

UNIVERSITY
OF
JOHANNESBURG

PROGRAM : NATIONAL DIPLOMA
TOWN AND REGIONAL PLANNING

SUBJECT : DRAWING I

CODE : CDR1112

DATE : EXAMINATION 2014
2 JUNE 2014

DURATION : (X-PAPER) 12:30 - 15:30

WEIGHT : 50:50

TOTAL MARKS : 100

EXAMINER : MR Z MBINZA

MODERATOR : MR E MAKONI

2466

NUMBER OF PAGES : 3 (THREE) PAGES AND 2 (TWO) ANNEXURES

REQUIREMENTS:

1. THE USE OF COLOR PENCILS TO ENHANCE CONCEPT DRAWINGS
2. TO BE USED BY STUDENT:
 - SCALE RULER
 - COLOUR PENCILS
 - KOKI PENS
 - CALCULATOR
3. DRAWINGS AS PREPARED TO BE ATTACHED TO QUESTION PAPER.

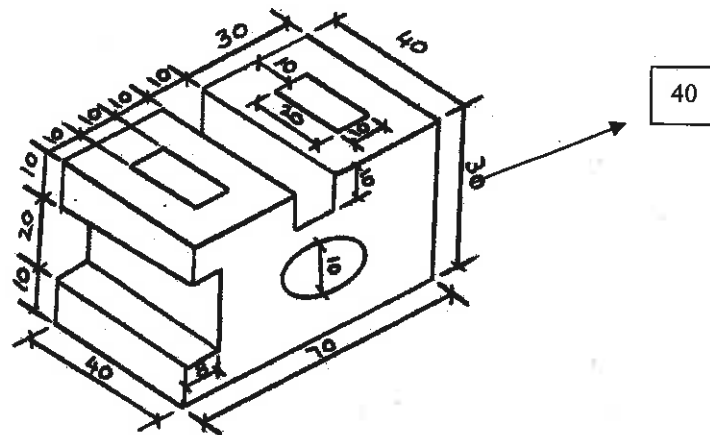
INSTRUCTIONS TO CANDIDATES:

1. PLEASE ANSWER ALL QUESTIONS
2. YOU MUST SHOW COMPETENCY IN DRAFTING, VISUAL AWARENESS, ACCURACY, LAYOUT AND SCALE.
3. PREPARE YOUR A3 SHEETS APPROPRIATELY WITH YOUR SURNAME AND STUDENT NUMBER ON THE FIRST PAGE.

QUESTION 1

Redraw the following object **isometrically** using the given measurements:

- Using Scale 1: 1**
- Show all **construction lines**
- The **diameter of the circle** is 10mm, located in the center of the view.
- Include some **dimensions** of the object.



[10]

QUESTION 2

Use the Object in Question 1 to complete a **two-point perspective** drawing using the following information:

- A **Front View and Side View** of the object
- Scale 1 : 1**
- The **Horizon is 15 mm below the PP**
- Your **GG is 20mm above the SP**

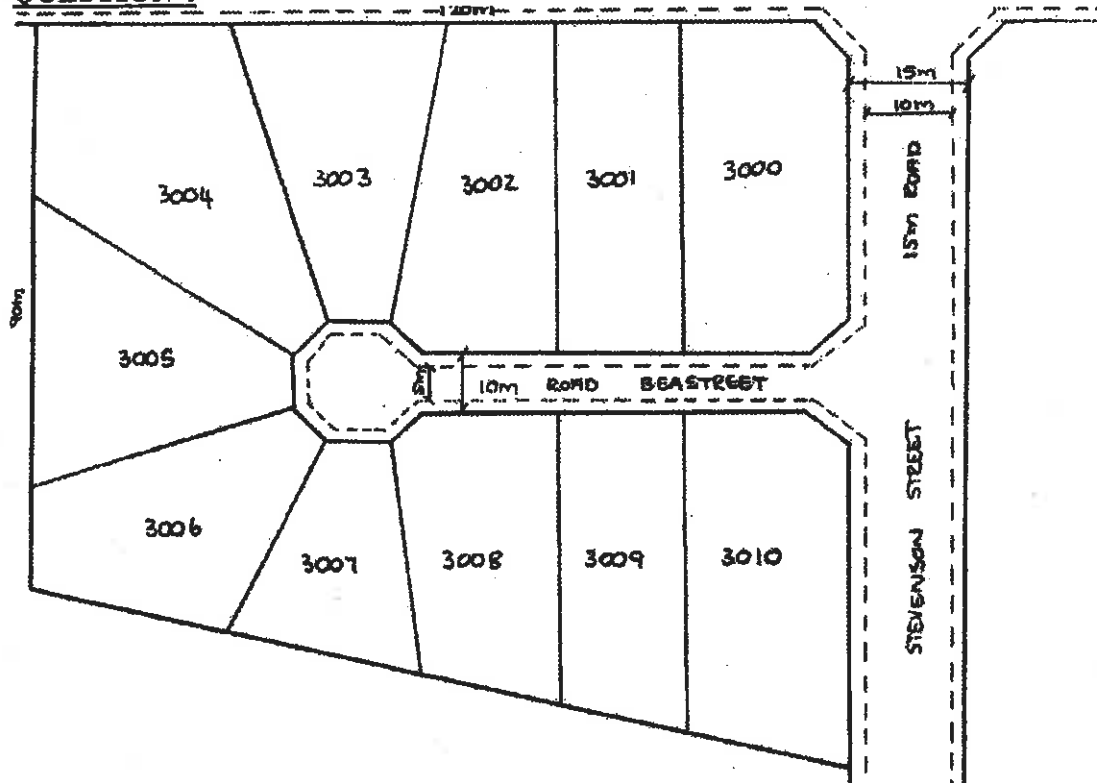
[20]

QUESTION 3

Use the Development Layout, attached as Annexure A, and prepare a **section** as indicated by Line A-A at scale 1: 500. Show all construction lines as well as typical size of man-made features on the Section, to scale.

[20]

QUESTION 4



[50]

Redraw the **Development Layout**, to comply with the following information:

3.1 **From Scale 1: 1 000 to new Scale 1: 400**

3.2 Using appropriate color schemes, complete the Layout Plan.

3.3 Provide an appropriate Legend.

[50]

TOTAL = 100

Annexure A

QUESTION 3:

Schedule of rights

No of stands 109

No of flats 2

No of units 107

No of parkings 30

Size of flats 20m x 40m

Size of erven 5m x 10m

Size of parking 5m x 3m

Width of road 7m

Spays 25m x 25m

Scale 1:500

