



PROGRAMME : NATIONAL DIPLOMA
TOWN AND REGIONAL PLANNING
SUBJECT : DRAWING FOR PLANNERS
CODE : CDR1112
DATE : 3-06-2016
DURATION : (SESSION 1) 08:30 - 11:30
WEIGHT : 50:50
TOTAL MARKS : 100

EXAMINERS : MR E. EYIAH-BOTWE
MODERATOR : MS B CALVO BOIXET
NO. OF PAGES : 4

INSTRUCTIONS TO CANDIDATES

- PLEASE ANSWER ALL THE QUESTIONS
 - PRESENT NEAT WORK, ACCURATE AND PROFESSIONAL. USE COLOUR PENCILS TO ENHANCE PENCIL DRAWING WHERE NECESSARY
 - YOU MUST SHOW COMPETENCY IN THEORY, DRAFTING, LETTERING, VISUAL AWARENESS, PERSPECTIVE LAYOUT AND SCALE
 - PREPARE YOUR A3 SHEETS APPROPRIATELY WITH YOUR SURNAME, NAME AND STUDENT NUMBER IN THE LEGEND AT THE BOTTOM RIGHT CORNER OF THE FIRST PAGE; OTHER PAGES APPROPRIATELY INDICATING PAGE NUMBER
 - MARKS ARE INDICATED FOR EACH QUESTION
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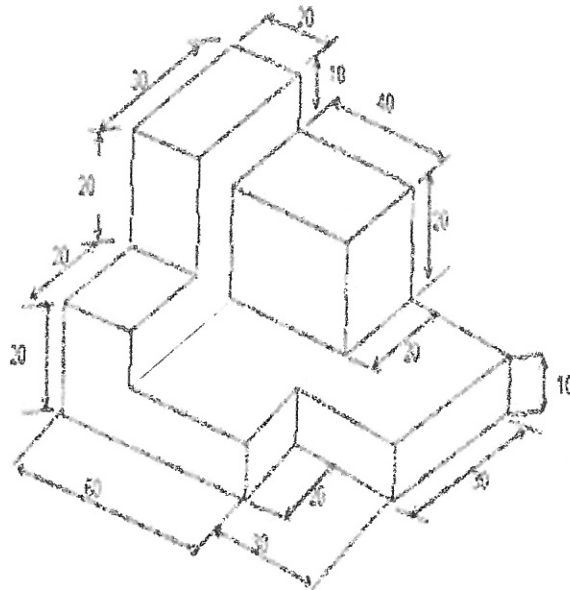
QUESTION 1 (20 marks)

a. Redraw the following isometric object (scale 1:1000) using a new scale 1:100 (10 marks)

b. Draw the Top view, Front view and Side view using the same scale. (10 marks)

a. Redraw the following isometric object (scale 1:1000) using a new scale 1:100 (10 marks)

(10 marks)



QUESTION 2 **(20 marks)**

a. State 3 characteristics of One-point perspective drawing (3 marks)

b. State 3 characteristics of Orthographic projection drawing (3 marks)

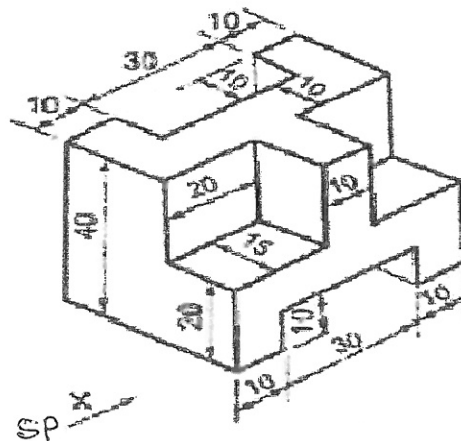
c. Using the isometric drawing provided, draw the:

a. State 3 characteristics of One-point perspective drawing (3 marks)

b. State 3 characteristics of Orthographic projection drawing (3 marks)

c. Using the isometric drawing provided, draw the:

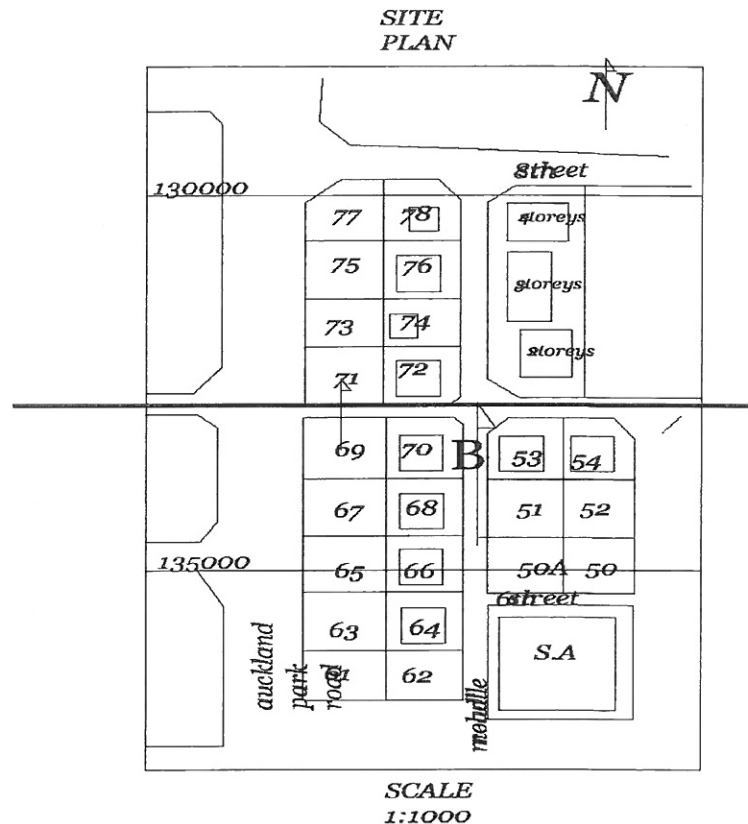
- Orthographic views and
- One-point perspective using a height of 60cm so as to see the top of the object and a stationary point 10cm from the right of the arrow labelled X showing the front view.
- Use a scale of 1:100 instead of 1:1000. (60 cm = 6 units) (14 marks)



QUESTION 3

(40 marks)

- a. Redraw the Development Layout from a scale of 1: 1000 to a new scale of 1:500
Please measure the layout provided first and redraw with the new scale (20 marks)



- b. Using your newly drawn Development Layout,
- Provide the north sign and the new graphic scale.
 - Provide a dwelling measuring 6m x 8m for Residential usage for property numbers 71 - 73 respectively (A minimum of 2m in front and 2m space at the side to the left boundary should be observed). (10 marks)
- c. Using the right colour scheme, complete the Development Layout with the required colour schemes as follows:
- Commercial (purple) – 2 storey, 3 storey and 4 storey buildings
 - Institutional (blue) – Property numbers 72, 74, 76 and 78
 - Residential lower density (yellow) – Property numbers 62-70, (10 marks)

QUESTION 4

(20 marks)

Referring to the new development layout drawn in a scale of 1:500 please provide the following:

- A section through the site indicating the levels and height of buildings as per the black horizontal line looking above in the direction of the arrow B
- Introduce landscaping elements
- Street furniture
- People and cars

