AEQUAM SERVARE MENTEM

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EXAMINER:MS K. SINGH

TIME: 1 HOUR

MODERATOR: MRS G.T. MOODLEY

MARKS: 60

INSTRUCTIONS:

1. This question paper consists of FIVE PAGES.

2. There are THREE questions in this paper. Answer ALL questions completely.

3. Rule off after each question.

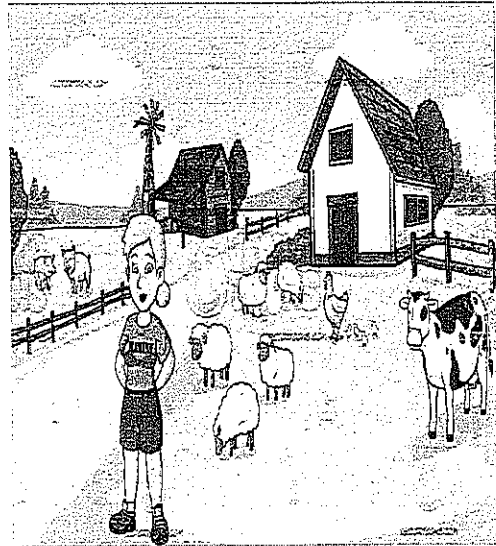4. Write neatly and legibly.

QUESTION ONE

1.1. Study the pictures below then answer the questions set on it.
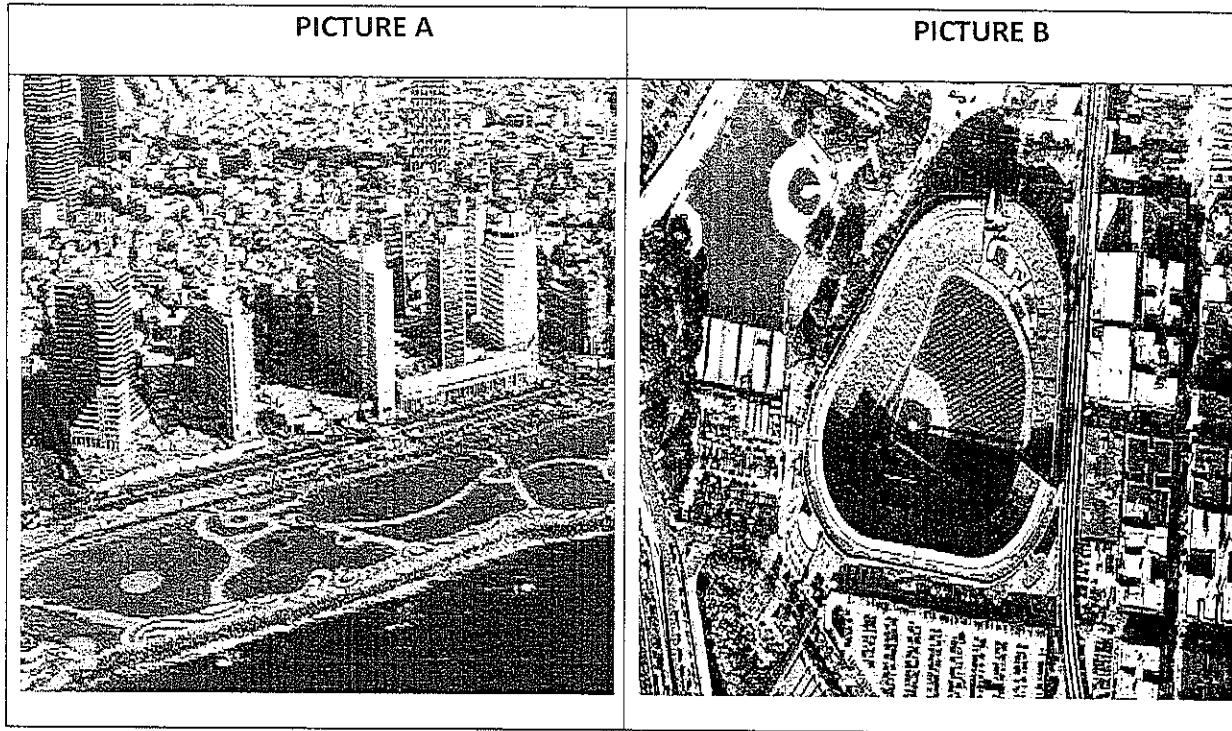
Picture A

Picture B

1.1.1. State the type of settlements that are depicted in the pictures above. (Picture A and B)   (2)

1.1.2. Explain how the land is used up in your answers to 1.1.1. (Picture A and B)   (2x2=4)

[6]

1.2.   Study the diagrams below then answer the pictures based on it.

PICTURE A	PICTURE B

1.2.1. State the types of photographs depicted above in picture A and B.   (2)

1.2.2. Give TWO characteristics of a vertical aerial photograph.   (2x2=4)

1.2.3. Oblique aerial photographs are photographs that are taken at an angle (side view).

Mention TWO types of oblique aerial photograph which you have learnt about.   (2)

1.2.4. Which aerial photography (A or B) is more accurate and give a reason for your answer.   (3)
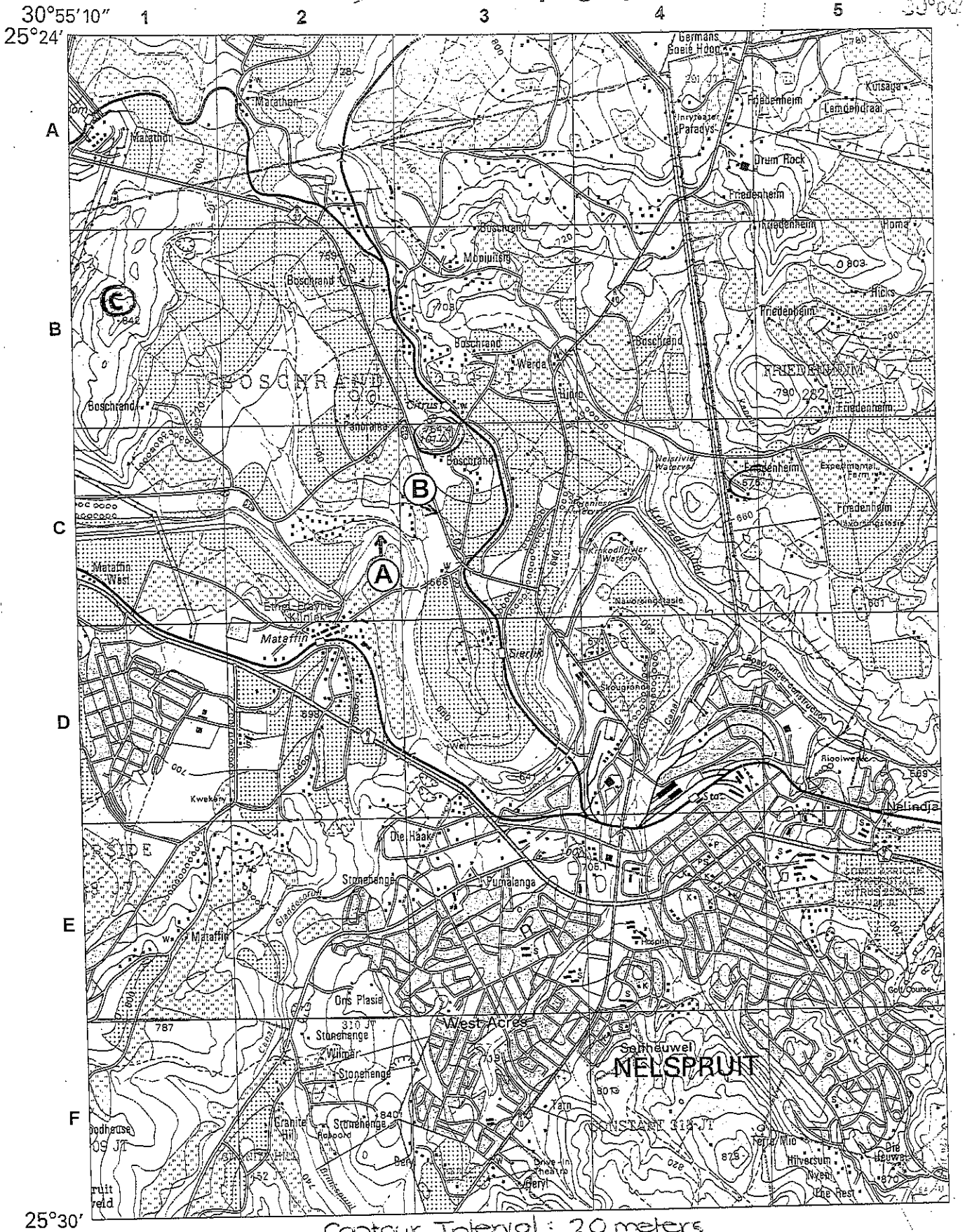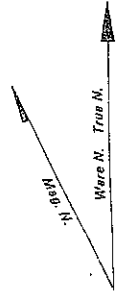
[11]

QUESTION TWO: MAP WORK
Refer to the map of NELSPRUIT and answer the questions set.

2

30°55'10"   1   2   3   4   5   30°00'

25°24'

A

Marathon · Marathon · Boschrand · Germans Goele Hoog · Friedenheim · Lemdendraal · Kutsaga · Parfadys · Drum Rock · Friedenheim · Homa

B · Boschrand · Monjuitsig · Boschrand · Werda · Lindo · Boschrand · FRIEDENHEIM · 790 · Friedenheim · Hicks · 803 · Citrus · Panorama · Boschrand

C · Mataffin West · Ethnel Blayne Kliniek · Mataffin · Sietlik · Krokodilruier Waterval · Nelsrivier Waterval · Friedenheim · Experimental Farm · Friedenheim · 660 · 601

D · Kwekery · Die Haak · Nelindia · Rioolwerke · 669 · Stn

E · Mataffin · Stonehenge · Pumalanga · Hospi · Golf Course

F · Oodhouse · Granite Hill · Stonehenge · Wilmar · Stonehenge · West Acres · Sonheuwel · NELSPRUIT · Yam · Beryl · Drive-in Theatre · Hilversum · Nyen · The Rest · Berg Heuwel

25°30'

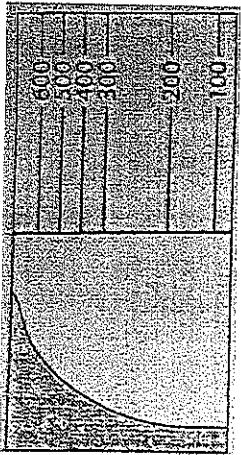Kilometer 0   1   2   3   4   5   6 Kilometres

Ware N. True N. · Mag. N.

Mean magnetic declination 15° 2 West of
True North (1986.0). Mean annual change
3' Eastwards (1980-1985)
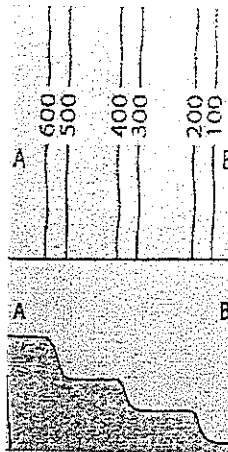
KEY

- Cultivated land

- excavation site

- Dam

3

2.1. State whether the map of NELSPRUIT is a Topographic or Orthophoto map? (1)

2.2. Provide a reason for your answer in question 2.1. (2)

2.3. Give the two types of scales that are depicted on the map. (2)

2.4. Convert the ratio scale into a word scale. (2)

2.5. Name the features labeled:

    2.5.1. A

    2.5.2. B (2)

2.6. What is the direction of:

    2.6.1. West Acres from Sonheuwel (1)

    2.6.2. Die Heuwel (block F5) from Sonheuwel (1)

2.7. What is the height of the AREA marked C? (2)

2.8. Measure the True Bearing of Spot Height 676 from Trig Station (Δ)754 (2)

2.9. Calculate the straight line distance between point A and C as labelled on the map. (3)

2.10. Calculate the area of Block D3. (4)

2.11. State the contour interval of the map of Nelspruit. (2)

2.12. Describe the type of slope in Block F5. (2)

2.13.

    a) Name the river found in C4. (1)

    b) Is it a perennial or a non-perennial river? (2)

    c) Explain the difference between a perennial and a non-perennial river. (4)

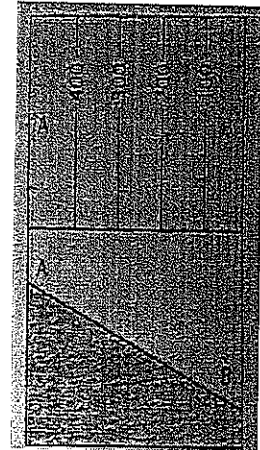2.14. Does the city of Nelspruit receive high rainfall? Give TWO reasons for your answer. (3)

[36]

QUESTION THREE

A   B   C

3.1. Give the name of the slope depicted in figures A, B ,C   (3)

3.2. Using contour lines, draw a diagram depicting what the following will look like:

3.2.1. A waterfall

3.2.2. A convex slope   (2x2=4)

                                                                         [7]

TOTAL 60

GOOD LUCK !!