



SOUTH WESTERN
SYDNEY INSTITUTE

STUDENT NUMBER: _____

STUDENT NAME: _____

**BANKSTOWN COLLEGE OF TAFE
HSC GEOGRAPHY – TRIAL EXAM**

**2008
Higher School Certificate
Trial Examination**

Geography

General Instructions

- Reading time – 5 minutes
- Working time – 3 hours
- Board approved calculators may be used
- Write using black or blue pen
- A Stimulus Booklet is provided with this paper
- Write your student number and/or name at the top of every page

Total marks - 100

Section I – Pages 2 – 5

Total marks (15)

Attempt Questions 1–15

Allow about 25 minutes for this part

Section II – Pages 6 – 11

Total marks (25)

Attempt Questions 16–20

Allow about 45 minutes for this part

Section III – Page 12

Total marks (60)

Attempt Questions 21–23

Allow about 1 hour 50 minutes for this section

This paper MUST NOT be removed from the examination room

STUDENT NUMBER/NAME:

Section I**Total marks (15)****Attempt Questions 1 – 15****Allow about 25 minutes for this section**

Select the alternative A, B, C or D that best answers the question and indicate your choice with a cross (X) in the appropriate space on the grid below.

| | A | B | C | D |
|----|---|---|---|---|
| 1 | | | | |
| 2 | | | | |
| 3 | | | | |
| 4 | | | | |
| 5 | | | | |
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| 8 | | | | |
| 9 | | | | |
| 10 | | | | |
| 11 | | | | |
| 12 | | | | |
| 13 | | | | |
| 14 | | | | |
| 15 | | | | |

Use Source A of the Stimulus Booklet to answer Question 1.

1. In which direction is Coffs Harbour from Townsville?
- (A) SSW
 - (B) SSE
 - (C) NNE
 - (D) NNW

Use Source G of the Stimulus Booklet and your own knowledge to answer Question 2.

2. A *high pressure* system is usually associated with which type of weather?
- (A) Precipitation, unstable weather
 - (B) It depends on which hemisphere the high pressure system is in
 - (C) Clear, stable weather
 - (D) Cyclonic weather

Use Source H of the Stimulus Booklet to answer Questions 3 – 4.

3. What is the average rainfall for Hamilton Island during the *wettest two months* of the year?
- (A) 31 mm
 - (B) 37 mm
 - (C) 305 mm
 - (D) 255 mm
4. What is the difference between the *mean daily maximum temperature* AND the *highest temperature on record* for June?
- (A) 5°C
 - (B) 9°C
 - (C) No difference
 - (D) 8°C

Use Source J of the Stimulus Booklet to answer Questions 5 – 11.

5. What is the distance between the peak of Volcan Wolf at AR 6834 and the peak of Volcan Santo Thomas at AR 7027?
- (A) 14.45 km
 - (B) 144.5 km
 - (C) 7.25 km
 - (D) 72.5 km

6. What is the direction of the beach at Bahia Urvina AR 6830 from the beach at Bahia James at AR 7232
- (A) ESE
 - (B) WSW
 - (C) WNW
 - (D) ENE
7. What is located at the NE corner of AR 7025?
- (A) Puerto Villamil
 - (B) Ocean
 - (C) Steep slope
 - (D) Roca Union
8. Which species may be located at GR 675316?
- (A) Fur Seal
 - (B) Land Iguana
 - (C) Flightless Cormorant
 - (D) Galapagos Penguin
9. What is the average gradient of land in AR 6925?
- (A) 1:5
 - (B) 1:4
 - (C) 1:3
 - (D) 1:2
10. What is the approximate latitude and longitude of the southern most tip of Isla Fernandina?
(look at source insert sheet and source J)
- (A) $0^{\circ} 30' S$, $91^{\circ} 30' W$
 - (B) $0^{\circ} 30' N$, $91^{\circ} 30' W$
 - (C) $0^{\circ} 30' N$, $91^{\circ} 30' E$
 - (D) $0^{\circ} 30' S$, $91^{\circ} 30' E$

11. What bearing is Volcan Darwin AR 6832 from Volcan La Cumbre AR 6630?
- (A) NW
 - (B) SW
 - (C) 47°
 - (D) 227°

Use Source K of the Stimulus Booklet to answer Questions 12 – 13.

12. What is the local population of the Galapagos Isles for the year 2005?
- (A) 22 000
 - (B) 27 000
 - (C) 125 000
 - (D) 150 000

13. What is the total number of people on the islands for the year 2000?
- (A) 17 500
 - (B) 65 000
 - (C) 82 500
 - (D) 150 000

Use Source P of the Stimulus Booklet to answer Question 14 – 15.

14. What type of map is this an example of?
- (A) Choropleth map
 - (B) Precis map
 - (C) Topographical map
 - (D) Satellite map
15. By what date and time had the oil slick spread to the Isla Santa Fe?
- (A) 1630hrs on 21/01/01
 - (B) 1030hrs on 21/01/01
 - (C) 1430hrs on 20/01/01
 - (D) 0930hrs on 20/01/01

End of Section I

Section II

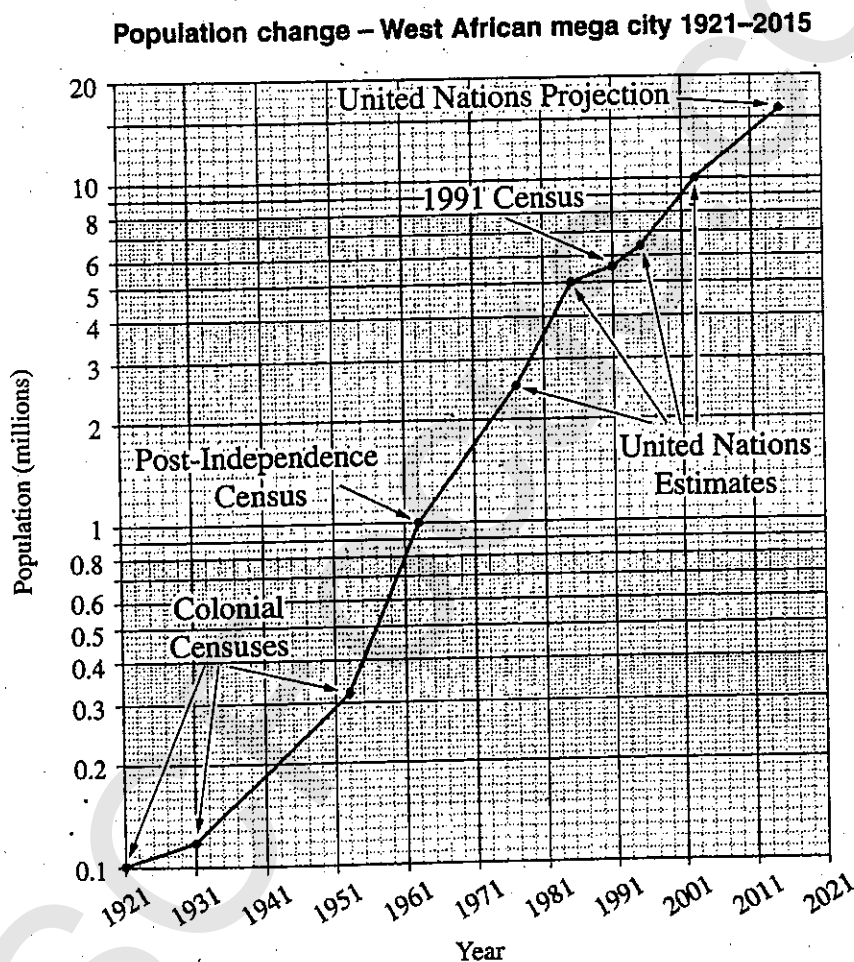
Total marks (25)

Attempt Questions 16 – 19

Allow about 45 minutes for this part

Answer the questions in the spaces provided.

Use the stimulus material and your own knowledge.

Question 16: Refer to the semi logarithmic graph below to answer (a) to (c)

(a) Between which two years did the West African mega city grow the most?

1

(b) Give TWO reasons for the growth of such mega cities in the developing world.

2

(c) What was the United Nations estimate for the population of this city in 1985?

1

Question 17:

(a) Study the cartoon below and from your knowledge of contemporary urban dynamics describe TWO positive and TWO negative aspects of the urban dynamic shown. (4 marks)



(4 Marks)

(4 marks)

(b) Describe the relationship between the URBAN LIVING STANDARD SCORE and other URBAN INDICATORS from the table below (2 marks)

| MEGA CITY | PUBLIC SAFETY | FOOD COSTS | HOUSING STANDARDS | EDUCATION | TRAFFIC FLOW | URBAN LIVING STANDARD SCORE |
|-------------|---------------|------------|-------------------|-----------|--------------|-----------------------------|
| Cairo | 56.4 | 47% | 94% | 53% | 12.4 | 36 |
| Mexico City | 27.6 | 41 | 94 | 62 | 8.0 | 38 |
| Manila | 30.5 | 38 | 91 | 67 | 7.2 | 43 |
| Bangkok | 7.6 | 36 | 76 | 71 | 13.0 | 42 |
| Seoul | 1.2 | 34 | 100 | 90 | 13.8 | 58 |

- Public safety - murders per 100,000
- Food costs % income spent on food
- Housing - % homes with water/electricity
- Education - % children in secondary school
- Traffic flow - miles per hour in rush hour
- Urban living score - 100 to 75 very good; 74 to 60 good; 59 to 45 fair; 44 and below poor

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(c) Discuss one challenge and one response being faced by people living in megacities of the developing world. (2 marks)

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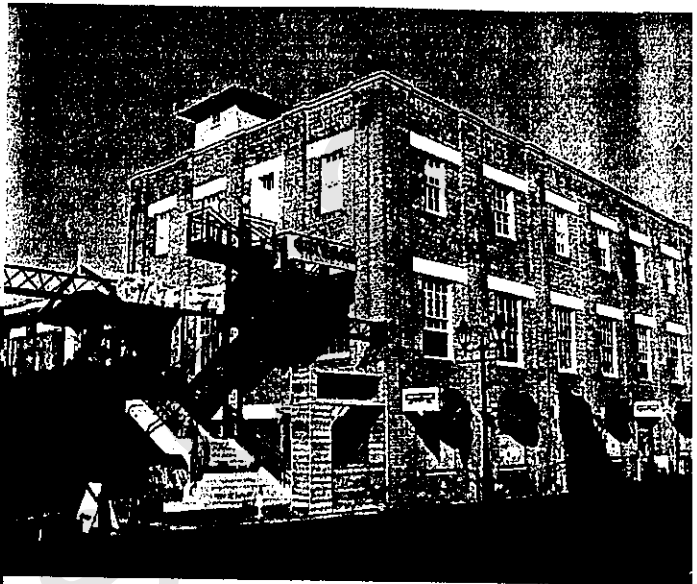
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(4 marks)

(d) Study the information below concerning the former "Arnotts factory site at inner city Homebush" located 12km from the CBD.



The Bakehouse Quarter, George Street Homebush is located in the former Arnott's Biscuit Factory. Arnotts relocated to Huntingwood in 1997 in a major upgrade of equipment, storage and transport facilities. The Bakehouse Quarter incorporates a range of businesses such as offices for Arnotts



and NRMA, shops and cafes. It has successfully readapted many historic buildings of the former Arnott's Biscuit Factory, preserving icons such as the prominent SAO neon sign.

Outline the urban dynamics of change occurring here and why this distinctive streetscape exists. (4 marks)

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(e) Suggest ONE method of collecting fieldwork data on these processes of change in such an area as shown in (d)

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(1 mark)

(5 marks)

Question 18:

SOURCE: CSIRO REPORT – the impact of climate change on the snow conditions in mainland Australia (August 2003) – graph shows possible prediction

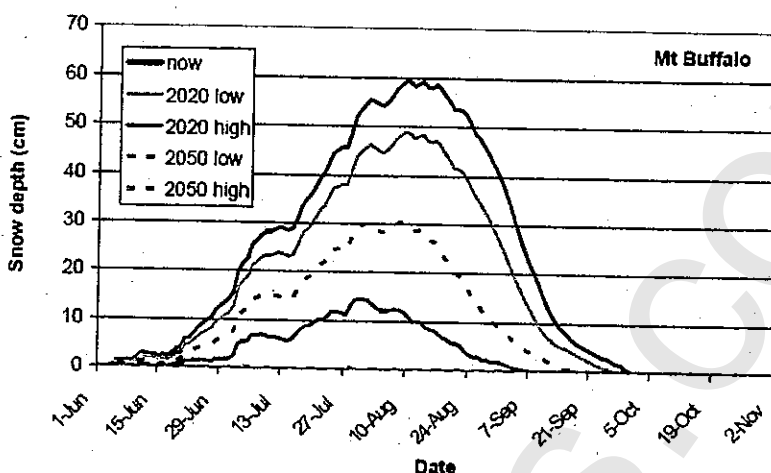


Figure 19: Simulated 20-year average snow-depth profiles at Mt Buffalo (1,516 m) for present (1979-1998), 2020 and 2050.

Scientists are making predictions about Global Warming but as the science is not exact a range of possibilities are forecast. These are best and worst possible forecasts. Therefore the least serious possibility is the low impact and the worst impact is high impact.

Based on this data what are the implications for Mt Buffalo as a winter snow resort in the short and long term? (2 marks)
