



CATHOLIC SECONDARY SCHOOLS
ASSOCIATION OF NEW SOUTH WALES

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Centre Number

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Student Number

2010
TRIAL HIGHER SCHOOL CERTIFICATE
EXAMINATION

Geography

Afternoon session
Friday 13 August 2010

General Instructions

- Reading time – 5 minutes
- Working time – 3 hours
- Write using blue or black pen
- Board-approved calculators may be used
- Use Multiple Choice Answer Sheet provided
- A stimulus booklet is provided with this paper
- Write your Centre Number and Student Number at the top of this page and page 9

Total marks – 100

Section I

Pages 3-7

20 marks

- Attempt Questions 1–20
- Allow about 36 minutes for this section

Section II

Pages 9-16

40 marks

- Attempt Questions 21–25
- Allow about 1 hour and 12 minutes for this section

Section III

Page 17

40 marks

- Attempt Questions 26–28
- Allow about 1 hour and 12 minutes for this section

Disclaimer

Every effort has been made to prepare these 'Trial' Higher School Certificate Examinations in accordance with the Board of Studies documents, *Principles for Setting HSC Examinations in a Standards-Referenced Framework* (BOS Bulletin, Vol 8, No 9, Nov/Dec 1999), and *Principles for Developing Marking Guidelines Examinations in a Standards Referenced Framework* (BOS Bulletin, Vol 9, No 3, May 2000). No guarantee or warranty is made or implied that the 'Trial' Examination papers mirror in every respect the actual HSC Examination question paper in any or all courses to be examined. These papers do not constitute 'advice' nor can they be construed as authoritative interpretations of Board of Studies intentions. The CSSA accepts no liability for any reliance use or purpose related to these 'Trial' question papers. Advice on HSC examination issues is only to be obtained from the NSW Board of Studies.

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EXAMINERS

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J. Gleeson (Co-Convenor)
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V. Sefton
M. Tuffy

Monte Sant' Angelo Mercy College
Pymble Ladies' College
Waverley College
Monte Sant' Angelo Mercy College
St Patrick's College Dundas

Section I
20 marks

Attempt Questions 1-20
Refer to the Stimulus Booklet
Allow about 36 minutes for this section

Use the Multiple Choice Answer Sheet provided

Refer to Source A to answer Questions 1 – 2.

- 1 In which 12 month period did Tasmania have the greatest number of visitors?
 - (A) July 2005 – June 2006
 - (B) July 2006 – June 2007
 - (C) July 2007 – June 2008
 - (D) July 2008 – June 2009

- 2 What was the average number of nights a visitor would stay in Tasmania for the 12 months ending June 2008?
 - (A) 0.76
 - (B) 7.17
 - (C) 7.65
 - (D) 13.0

Refer to Source D to answer Questions 3 – 11.

- 3 Which physical features are located in AR 3011?
 - (A) Lagoon Hill, Big Lagoon, Neck Beach, vehicular track
 - (B) Lagoon Hill, Big Lagoon, swamp, Neck Beach
 - (C) Lagoon Hill, Big Lagoon, Gibbs Lagoon, swamp
 - (D) Lagoon Hill, Big Lagoon, forest, Neck Beach

- 4 What is the density of buildings in AR 2501?
 - (A) 0.3 per square kilometre
 - (B) 0.4 per square kilometre
 - (C) 3.0 per square kilometre
 - (D) 4.0 per square kilometre

- 5 Which of the following features is NOT able to be seen from Gum Hill (AR 2199)?
- (A) Mount Bounty (AR 2299)
 - (B) Two Tree Point (AR 2600)
 - (C) Brookford (AR 2102)
 - (D) Mount Mangana (AR 2397)
- 6 What is the local relief from the spot height at GR 294149 to Fancy Point at GR 283154?
- (A) 10 metres
 - (B) 85 metres
 - (C) 95 metres
 - (D) 105 metres
- 7 What is the bearing of Mount Mangana (AR 2397) from Mount Tobin (AR 2495)?
- (A) 145°
 - (B) 325°
 - (C) North - West
 - (D) South - East
- 8 What is the aspect of the slope at GR 225965?
- (A) North - East
 - (B) North - West
 - (C) South - East
 - (D) South - West
- 9 What is the approximate area of Big Lagoon, located in the NE quadrant of the map?
- (A) 80 m^2
 - (B) 0.8 km^2
 - (C) 1.8 km^2
 - (D) 8.0 km^2

10 What is the height of Mount Bounty (AR 2299)?

- (A) 540 metres
- (B) 560 metres
- (C) Greater than 540 metres
- (D) Greater than 540 metres and less than 560 metres

11 What is the general direction of the flow of Dorloff Creek in AR 2997?

- (A) North
- (B) South
- (C) North -West
- (D) South- East

Refer to Source B and Source D to answer Question 12.

12 In what direction was the photographer facing when Photograph 1 was taken from the lookout at GR 282090?

- (A) South - West
- (B) South - East
- (C) North - West
- (D) North - East

Refer to Source D and Source E to answer Question 13.

13 What is the approximate scale of the map in Source E.?

- (A) 1cm represents 1km
- (B) 1cm represents 10km
- (C) 1cm represents 100km
- (D) 1cm represents 1000km

Refer to Source F to answer Question 14.

14 Which of the following best describes Brussels?

- (A) A mega city
- (B) The capital city of the European Union
- (C) A centre of international administration and politics
- (D) A city that was established after the Second World War

Refer to Source G to answer Question 15.

15 In 2010 it is predicted that

- (A) the population of Belgium will increase
- (B) fertility rates will continue to increase in Belgium
- (C) the majority of people in Belgium will be aged 80 +
- (D) in Belgium there will be more females aged 70-79 years than males aged 70-79 years

Refer to Source H to answer Question 14.

16 What type of photograph is Photograph 1?

- (A) Infra red
- (B) Ground level
- (C) Oblique aerial
- (D) Vertical aerial

Refer to Source I to answer Question 17.

17 What is the approximate latitude and longitude of Brussels?

- (A) 50° 50'N 4° 20'E
- (B) 50° 50'S 4° 20'W
- (C) 4° 20'E 50° 50'N
- (D) 4° 20'W 50° 50'S

Refer to Source J to answer Questions 18 – 19.

18 What type of weather was most likely experienced in Brussels on 27 December 2009?

- (A) Warm and wet
- (B) Cold and wet
- (C) Warm and fine
- (D) Cold and fine

19 Estimate the wind direction at Brussels.

- (A) East
- (B) West
- (C) South - West
- (D) North - East

Refer to Sources D, E, I and J to answer Question 20.

20 Which map has the largest scale?

- (A) Source D
- (B) Source E
- (C) Source I
- (D) Source J

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Centre Number

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Student Number

Geography

Section II

40 marks

Attempt Questions 21-25

Allow about 1 hour 12 minutes for this section

Use the Stimulus Booklet and your knowledge of Geography to answer Questions 21-25 in the spaces provided.

Refer to Source D on Page 2 of the Stimulus Book and the cross-section and landuse transect below to answer question 21.

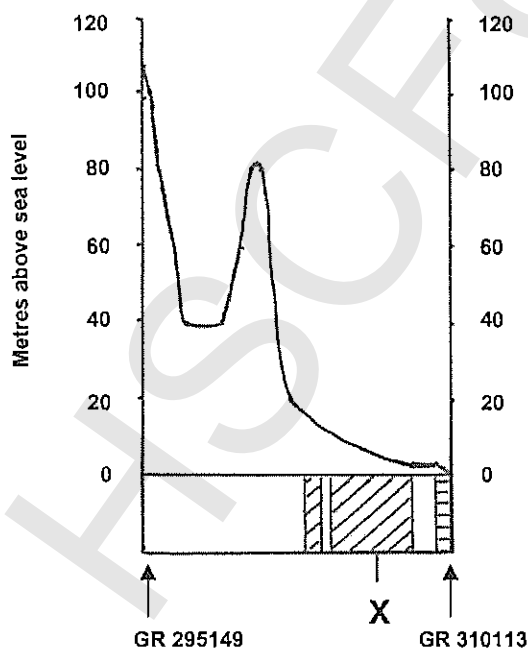
Marks

Question 21 (8 marks)

Cross-section and landuse transect from spot height 105 at GR 295149 to Neck Beach at GR 310113.

(a) Complete the Transect and Legend.

2



LEGEND

- | | |
|--|--------------|
| | Neck Beach |
| | Cleared Land |
| | Forest |
| | Big Lagoon |

Question 21 continues on page 10

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Question 21 (continued)

- (b) Name the feature located at **X** on the cross-section. **1**

.....

- (c) Calculate the average gradient between spot height 105 at GR 295149 and Neck Beach at GR 310113. **2**

Answer: **1:**

- (d) Calculate the vertical exaggeration of the cross-section. **2**

Answer:

- (e) What is the purpose of vertical exaggeration of a cross-section? **1**

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End of Question 21

Question 22 (11 marks)

Refer to Sources A, B and C on Page 1 of the Stimulus Book and Source D on page 2 of the Stimulus Book to answer question 22.

Examine the positive and negative impacts on the ecosystems of Bruny Island if a ferry terminal was to be constructed at Moorina Bay (AR 3312).

(a) Positive Impacts

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(b) Negative Impacts

4

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Question 22 continues on page 12

Question 22 (continued)

- (c) With reference to ONE of the impacts stated in part (a) **or** (b), develop a research focus question to investigate this impact.

Impact:

Research Focus Question:

1

.....

- (d) Identify and justify a primary research method that could be used to investigate your research stated in part (c) of this question.

2

Research Method	Justification for use of research method

End of Question 22

Question 23 (8 marks)

Use Source F on Page 3 of the Stimulus Book and Source H on Page 4 of the Stimulus Book and your own knowledge to answer question 23.

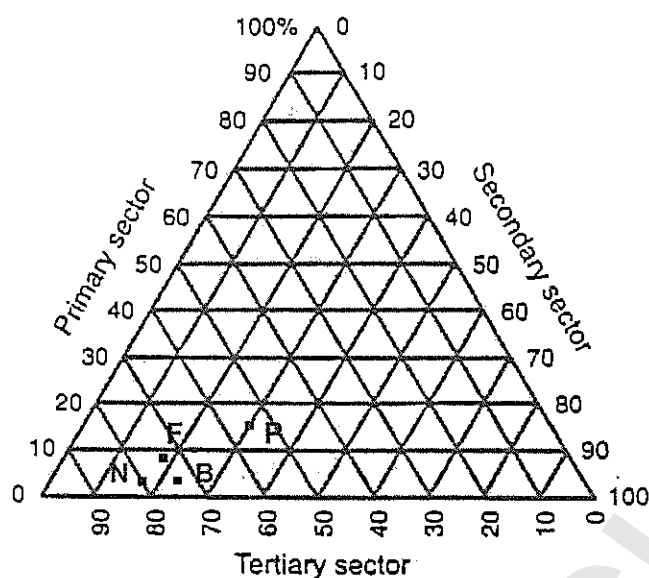
Compare the results of urban dynamics on the culture of place of Brussels and ONE other large city in the developed world.

Blank lined paper for writing.

Question 24 (5 marks)

Refer to the ternary graph to answer parts (a) and (b).

Labour Force by Occupation
(Selected European Countries 2005 -2007)

**Legend**

B Belgium
F France
N Netherlands
P Poland

- (a) What percentage of the Labour Force by Occupation was made up of the Tertiary sector (services) for Belgium? 1

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- (b) Identify TWO differences between the Labour Force by Occupation of Poland and Belgium 2

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Question 24 continues on page 15

Question 24 (continued)

Marks

- (c) Refer to Source G on Page 3 of the Stimulus Book and the ternary graph to answer part (c). **2**

Identify features of the population pyramid and the ternary graph that make Belgium typical of a country in the developed world.

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End of Question 24

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Question 25 (8 marks)

Discuss ONE social and ONE economic impact of an economic activity on a global scale.

Economic Activity:

Social Impact:

4

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Economic Impact:

4

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Geography

Section III

40 marks

Attempt **TWO** questions **ONLY** from Questions 26 - 28

Allow about 1 hour and 12 minutes for this section

Answer each question in a **SEPARATE** writing booklet.

In your answers you will be assessed on how well you:

- demonstrate geographical knowledge and understanding relevant to the question
 - communicate ideas and information using geographical terms and concepts appropriately
 - refer to case studies, illustrative examples and the Stimulus Booklet where appropriate
 - present a sustained, logical and cohesive response
-

Question 26 (20 marks)

Explain how biophysical interactions, including the dynamics of weather and climate, geomorphic, hydrologic and biogeographical processes lead to the formation of ONE ecosystem at risk.

AND/OR

Question 27 (20 marks)

Outline the challenges of living in mega cities in the developing world and evaluate the responses to these challenges.

AND/OR

Question 28 (20 marks)

Examine the ecological dimensions of an economic enterprise operating at a local scale.

End of paper

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Student Number

CATHOLIC SECONDARY SCHOOLS ASSOCIATION OF NEW SOUTH WALES

YEAR 12 TRIAL HIGHER SCHOOL CERTIFICATE EXAMINATION 2010

GEOGRAPHY – MULTIPLE CHOICE ANSWER SHEET

Select the alternative A, B, C, or D that best answers the question. Fill in the response oval completely.

Sample $2 + 4 =$ (A) 2 (B) 6 (C) 8 (D) 9

A ☐

B ☒

C ☐

D ☐

If you think you have made a mistake, put a cross through the incorrect answer and fill in the new answer.

A ☒

B ☒

C ☐

D ☐

If you have changed your mind and have crossed out what you consider to be the correct answer, then indicate this by writing the word *correct* and drawing an arrow as follows:

A ☒

B ☒

correct

C ☐

D ☐

ATTEMPT ALL QUESTIONS

- | | | | | | |
|-----------------|-----------|-------------------------|-------------------------|-------------------------|-------------------------|
| Question | 1 | A <input type="radio"/> | B <input type="radio"/> | C <input type="radio"/> | D <input type="radio"/> |
| | 2 | A <input type="radio"/> | B <input type="radio"/> | C <input type="radio"/> | D <input type="radio"/> |
| | 3 | A <input type="radio"/> | B <input type="radio"/> | C <input type="radio"/> | D <input type="radio"/> |
| | 4 | A <input type="radio"/> | B <input type="radio"/> | C <input type="radio"/> | D <input type="radio"/> |
| | 5 | A <input type="radio"/> | B <input type="radio"/> | C <input type="radio"/> | D <input type="radio"/> |
| | 6 | A <input type="radio"/> | B <input type="radio"/> | C <input type="radio"/> | D <input type="radio"/> |
| | 7 | A <input type="radio"/> | B <input type="radio"/> | C <input type="radio"/> | D <input type="radio"/> |
| | 8 | A <input type="radio"/> | B <input type="radio"/> | C <input type="radio"/> | D <input type="radio"/> |
| | 9 | A <input type="radio"/> | B <input type="radio"/> | C <input type="radio"/> | D <input type="radio"/> |
| | 10 | A <input type="radio"/> | B <input type="radio"/> | C <input type="radio"/> | D <input type="radio"/> |

Continued over the page

1700- 3

- 11 A ☐ B ☐ C ☐ D ☐
- 12 A ☐ B ☐ C ☐ D ☐
- 13 A ☐ B ☐ C ☐ D ☐
- 14 A ☐ B ☐ C ☐ D ☐
- 15 A ☐ B ☐ C ☐ D ☐
- 16 A ☐ B ☐ C ☐ D ☐
- 17 A ☐ B ☐ C ☐ D ☐
- 18 A ☐ B ☐ C ☐ D ☐
- 19 A ☐ B ☐ C ☐ D ☐
- 20 A ☐ B ☐ C ☐ D ☐