Tasmanian Certificate of Education

GEOGRAPHY

Senior Secondary

Subject Code: GGY315110

External Assessment

2013

Time: Three Hours

On the basis of your performance in this examination, the examiners will provide results on each of the following criteria taken from the course statement:

Criterion 2 Communicate ideas and information.

Criterion 6 Analyse and evaluate issues and information.

Criterion 8 Select and justify relevant geographical examples.

Criterion 9 Apply problem solving skills.

Criterion 10 Demonstrate knowledge and understanding of geographical concepts and processes.

Pages: 12
Questions: 11
Attachments: Answer Sheet – Question 1(a)
Data Sheet: World Population
Information Sheet
Topographic map extract (A4)
World map outline (political)
World map outline (non-political)

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CANDIDATE INSTRUCTIONS

You MUST ensure that you have addressed ALL of the externally assessed criteria on this examination paper.

ANSWER EACH QUESTION IN A SEPARATE ANSWER BOOKLET.

It is strongly recommended that you note the time allocations given for each question.

This paper is divided into FOUR sections. You must answer FIVE questions in total.

Answer ALL questions in Sections A and B.

Choose ONE question from Section C and ONE question from Section D.

Use the planning grid to ensure that you answer from TWO different options in Sections C and D.

Planning Grid:

<table>
<thead>
<tr>
<th>Tick a different option for each section</th>
<th>Natural Hazards of the Earth’s Crust</th>
<th>The Atmosphere</th>
<th>Mountains, Coasts or River Basins</th>
<th>Urbanisation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Section C</td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>(essay)</td>
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<tr>
<td>Section D</td>
<td></td>
<td></td>
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<tr>
<td>(structured answer)</td>
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</tbody>
</table>

World Map outlines are provided for you to make use of wherever you can.

You must place your candidate label on any map(s) and answer sheets used, and then place the labelled maps and answer sheets inside the relevant answer booklet.

All written responses must be in English.
Answer **ALL** questions from this section.

You **MUST** refer to and use the accompanying *Information Sheet* and *World Population Data Sheet* when answering both questions.

Use a **separate** answer booklet for **EACH QUESTION**.

It is recommended that you spend approximately **1 hour** on this section.

This section assesses **Criteria 6, 9 and 10**.

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**Question 1** (40 minutes)

*This question assesses Criteria 9 and 10.*

*Refer to the Information Sheet and the World Population Data Sheet.*

(a) **On the answer sheet provided**, name **one** country in each of Stage 2, Stage 3, Stage 4 and Stage 5 of the Demographic Transition Model and quickly sketch the shape of its population pyramid. Give reasons for classifying the countries you have chosen in those stages.

(b) Suggest actions that could help a country to move from **Stage 2** to **Stage 4** of the Demographic Transition Model.

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**Question 2** (20 minutes)

*This question assesses Criterion 6.*

*Refer to the Information Sheet and the World Population Data Sheet.*

Explain how the Infant Mortality Rate (IMR), the Total Fertility Rate (TFR) and Life Expectancy (LE) are connected. Refer to examples of Less Developed Countries (LDCs) and More Developed Countries (MDCs) in your answer.
Answer **ALL PARTS** of the question in this section.

Use a **separate** answer booklet for this section.

It is recommended that you spend approximately **40 minutes** on the question.

This section assesses **Criteria 6 and 8.**

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**Question 3**

Refer to the Grampians (Victoria) Topographic Map Extract and use your topographic mapping skills to:

(a) describe the main physical features of the area

(b) describe the human features

(c) explain how the natural environment has influenced people’s use of the land. Use specific examples to support your answer.
Answer **ONE** question in **essay** form from this section.

You **MUST** select a different option from the one you answer in Section D (refer to the planning sheet on page 3).

All questions are of equal value.

Credit will be given for using appropriate maps and diagrams in your answer.

Use a **separate** answer booklet for this section.

It is recommended that you spend approximately **40 minutes** on the question.

This section assesses **Criteria 2, 8 and 10.**

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**OPTION A – NATURAL HAZARDS OF THE EARTH'S CRUST**

**Question 4**

Choose **ONE** of the following natural hazards: **either** earthquakes **or** volcanoes **or** mass movement.

Discuss the causes of, the impacts of and human responses to this natural hazard. Use specific examples from both Less Developed Countries (LDCs) and More Developed Countries (MDCs).

**OPTION B – THE ATMOSPHERE**

**Question 5**

Choose **ONE** of the following: **either** enhanced greenhouse effect **or** El Niño/La Niña **or** ozone depletion **or** acid rain.

Discuss its causes, its impacts and human responses to it. Use specific examples from both Less Developed Countries (LDCs) and More Developed Countries (MDCs).
Section C (continued)

OPTION C – MOUNTAINS, COASTS OR RIVER BASINS

Question 6

Choose ONE of the following landscapes: either mountains or coasts or river basins.

Describe the processes of erosion and deposition that are responsible for any two landforms in this landscape. Discuss the impact of human activity on this landscape and explain how people have responded to these impacts, using specific examples from both Less Developed Countries (LDCs) and More Developed Countries (MDCs).

OPTION D – URBANISATION

Question 7

Discuss the causes of, impacts of and human responses to urbanisation. Use specific examples from both Less Developed Countries (LDCs) and More Developed Countries (MDCs).
Answer **ONE** question from this section.

You **MUST** select a different option from the one you answer in Section C (refer to the planning sheet on page 3).

All questions are of equal value.

Credit will be given for using appropriate maps and diagrams in your answer.

Use a **separate** answer booklet for this section.

It is recommended that you spend approximately **40 minutes** on the question.

This section assesses **Criteria 2, 8 and 9**.

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**OPTION A – NATURAL HAZARDS OF THE EARTH'S CRUST**

**Question 8**

Choose **ONE** of the following natural hazards: either earthquakes or volcanoes or mass movement.

(a) Describe the distribution of this natural hazard.

(b) Discuss the impacts of this natural hazard, using specific examples from both Less Developed Countries (LDCs) and More Developed Countries (MDCs).

(c) What have been the human responses to the impacts in your examples? Evaluate the level of success of these responses.

Section D continues opposite.
Section D (continued)

OPTION B – THE ATMOSPHERE

Question 9

Choose **ONE** of the following: *either* enhanced greenhouse effect *or* El Niño/La Niña *or* ozone depletion *or* acid rain.

(a) Briefly outline its causes.

(b) Discuss its impacts, using specific examples from both Less Developed Countries (LDCs) and More Developed Countries (MDCs).

(c) What have been the human responses to the impacts in your examples? Evaluate the level of success of these responses.

OPTION C – MOUNTAINS, COASTS OR RIVER BASINS

Question 10

Choose **ONE** of the following landscapes: *either* mountains *or* coasts *or* river basins.

(a) Briefly outline the processes of erosion and deposition that produce any two landforms in this landscape.

(b) Discuss the impacts of human activities in this landscape, using specific examples from both Less Developed Countries (LDCs) and More Developed Countries (MDCs).

(c) What have been the human responses to the impacts in your examples? Evaluate the level of success of these responses.

OPTION D – URBANISATION

Question 11

(a) Briefly outline how and why urbanisation occurs.

(b) Discuss the impacts of urbanisation, using specific examples from both Less Developed Countries (LDCs) and More Developed Countries (MDCs).

(c) What have been the human responses to the impacts in your examples? Evaluate the level of success of these responses.
This question paper and any materials associated with this examination (including answer booklets, cover sheets, rough note paper, or information sheets) remain the property of the Tasmanian Qualifications Authority.
<table>
<thead>
<tr>
<th>Stage</th>
<th>Country</th>
<th>Sketch of the Shape of Population Pyramid (percentage of total population)</th>
<th>Reasons for Classification</th>
</tr>
</thead>
<tbody>
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</table>
Figure 1: Demographic Transition Model

(Source: Adapted from Hayden, C and McMurray, R Population Studies in Monsoon Asia. Revised edition, Macmillan, New Zealand.)

Figure 2: Infant Mortality Rate

Figure 3: Total Fertility Rate


Figure 4: Life Expectancy
