

**Marking Scheme
Field Work**

6th International Geography Olympiad

Brisbane

June 2006

Question 1 - Map - 7 Marks

Mark out of 14 and divide by 2 at the end. (Sample map was provided to markers.)

Shading according to land uses

5 colours X 2 marks for each land use 10
(minus ½ mark for each mistake)

Appropriate title

Must have "Land Use" and ½
"Kelvin Grove Urban Village" ½

Key (or legend)

Must have 5 colours for 5 named land uses 1

North Point

Must have an arrow pointing in the right direction. ½
(Acceptable deviation from the correct direction was worked out by the markers.)

Must have a N or North ½
(if the direction is incorrect, no marks will be awarded)

Scale

The scale is approximately one centimetre on the map represents 20 metres on the ground

Must have the scale correct to 10% either way ½

Plus the correct unit of measurement, i.e., metres, km ½

Initial Total out of 14

Divide by 2, final marks out of 7

Question 2 - Population Pyramid - 5 Marks

Mark out of 10 and divide by 2 at the end. (Sample population pyramid was provided to markers.)

Appropriate vertical scale

The graph must be balanced (minus ½ or 1 mark if too flat or 1 too high)

Appropriate labelling of Axes

Must have Percentage (or %) of population on the horizontal ½ axis

Age ½

Males ½

Females ½

Accurate Representation of Data

Must be bars, not lines (either of a gap or no gap between bars) 1

The bars must be drawn accurately (minus ½ mark for each mistake). Please see the calculations below to guide your marking of each bar 3

Age	Males %	Females %
0-14	4.1	5.3
15-24	10.1	12.7
25-34	10.2	10.7
35-44	7.2	7.4
45-54	7.5	7.7
55-64	5.1	5.6
65-74	1.8	2.3
75+	1.0	1.3
	47%	53%

Appropriate Layout

Must be a gap in the middle (for the vertical scale). (*Varied during marking to accept age scale to one side.*) ½

The bars must be drawn without numbers written on them ½

Appropriate Title

Must include:

Age Sex Population ½

Pyramid ½

2010 ½

Kelvin Grove Urban Village ½

Initial Total out of 10

divide by 2 - final mark out of 5

Question Three - Population Pyramid Analysis - 5 Marks

PART A - Description of significant age and gender distribution groups (2010) - 2 marks

Any 4 valid points for 2 marks

Sample points

- Higher % of females in each age group
- Majority of people are expected to be in the 15 to 34 age groups (i.e. 15 to 24 group and 25 to 34 group)
- Low % of people more than 65 years (older age groups), e.g. 65 - 74 (4.1 %), 75 + (2.3%)
- Second largest age groups expected to be 35 - 44 years and 45 - 54 year group (i.e. 14.6% and 15.2%)
- Small % of people expected in the 55 - 64 years group (10.7%)
- Smallest % of people are expected in the 0 - 14 years group (9.4%)

PART B - similarities and the differences between the forecast population for Kelvin Grove Urban Village and the current population of Kelvin Grove suburb - 3 marks

Students MUST have a minimum of three valid points highlighting the similarities and a minimum of three valid points showing the differences between the data to obtain a total of 3 marks.

SIMILARITIES (Examples) - 1½ marks

- Both have females as the highest % in each age group
- The % in the 0 - 14 age group is much the same for both pyramids
- Like the 2010 pyramid, the 2001 pyramid had the greatest % in the 15 - 34 age group

DIFFERENCES (Examples) - 1½ marks

- The 2001 pyramid shows a greater % in the 75+ year age group, especially the % of females
- The 2001 pyramid shows a greater % in the 15 - 24 age group and the 25 - 34 age group for both males and females
- The 2001 pyramid has a lower % in the 35 - 64 age group

Question 4 - Map Analysis - 5 Marks

Description of distribution of land uses - **4 valid points for 2 marks**

Examples of points

- There are a variety of land uses
- Village centre is at the centre of the hub
- Mixed use is along the main street (Musk Street)
- There are designated residential areas on the outer sections of the village and on the upper floors of mixed use buildings
- Parks and open spaces are distributed throughout
- Considerable university land use in the creative arts precinct
- The large amount of vacant space indicates future development

Explain the distribution of these land uses - at least **3 valid factors for 3 marks**

Examples

- **Based on walking** (you can live without a car)
- A variety of land uses where everything is in walking distance, e.g. shops, restaurants, school, supermarkets
- Access to public transport
- **Mixed tenure** - Premises may be owned, leased or rented and this provides for a variety of life styles and age groups, e.g. student accommodation, public housing, managed senior accommodation
- **Mixed use / high density**
- In the centre there are multi-storey buildings with commercial/retail uses on the ground floors and residential predominantly on the upper floors
- Encourage residents to live, work and shop in the village
- **Sense of neighbourhood**
- Residential areas are clustered together
- Parks and open spaces encourage people to go out and play or meet people
- Shop fronts face the main street and this promotes the idea of a village
- All residential areas are away from the main road (Kelvin Grove Road)

Students may use the following **terms** to explain the distribution:

- Environmental/ecological
- Social sustainability
- Economic

Question 5 - Evaluation Matrix - 5 Marks

All squares complete with at least 1 valid attribute listed [positive or negative]	5 marks
All squares, with the exception of 1 or 2, complete with at least 1 valid attribute listed [positive or negative]	4
All squares, with the exception of 3 or 4, complete with at least 1 valid attribute listed [positive or negative]	3
All squares, with the exception of 5 or 6, complete with at least 1 valid attribute listed [positive or negative]	2
All squares, with the exception of 7 or 8, complete with at least 1 valid attribute listed [positive or negative]	1

Examples of valid attributes

Proposals\criteria	the development needs to complement developments already completed or planned	the development should be in keeping with the idea of a sustainable urban development	the development should not detract from the natural and social environmental qualities of the overall village
A 3-storey development, the ground floor of which will be retail [eg, coffee shop, Oxfam shop, budget clothing shop] and the two floors above being single bedroom units aimed at the student market.	<ul style="list-style-type: none"> - <i>mixed use</i> [+] - <i>already student accommodation</i> [-] - <i>sufficient retail already?</i> 	<ul style="list-style-type: none"> - <i>mixed use</i> [+] 	<ul style="list-style-type: none"> - <i>contributes to sense of neighbourhood</i> [+]
A 3-storey development, the ground floor of which is a gymnasium and associated health services ,the two floors remaining providing space for offices for companies such as small publishing companies, technology support companies, and the like.	<ul style="list-style-type: none"> - <i>utilized by all age groups</i> [+] - <i>already a gym</i> [-] - <i>these companies could interface well with those already in village</i> [+] 	<ul style="list-style-type: none"> - <i>mixed use</i> [+] - <i>uses space effectively</i> [+] 	<ul style="list-style-type: none"> - <i>use by existing and new community</i> [+] - <i>add to 'sense of community'.</i>[+] - <i>not necessarily a positive for sense of neighbourhood.</i> [-]
A 3-storey development, comprising one and two bedroom units aimed at the over 55 market.	<ul style="list-style-type: none"> - <i>already seniors accommodation</i> [-] - <i>a distance from other services for the elderly</i> [-] - <i>more suitable location for older groups than some already existing housing</i> [+] 	<ul style="list-style-type: none"> - <i>one use building</i> [-] - <i>unsustainable</i> [-] - <i>caters for one age group only</i> [-] 	<ul style="list-style-type: none"> - <i>seniors may feel isolated</i> [-] - <i>may assist to create sense of neighbourhood</i> [+]

Question 6 - Decision Making - 13 Marks

There is no one correct answer – any of the 3 options could be chosen by a student as the better option. What is important is how the student argues for the option they have chosen – the justification that they mount for it.

Response Characteristics	Marks
Excellent: States preferred development proposal	1
Indicates how the chosen development meets the criteria - gives at least 3 points of justification with 2 points per criterion	6
Indicates how the development proposals are less suitable - gives at least 4 points and mentions both proposals	4
Makes mention of the age-sex pyramid	1
the land use map	1
Good: States preferred development proposal	1
Indicates how the chosen development meets most of the criteria - gives at least 3 points of justification with 2 criteria with 2 points	5
Indicates how the other development proposals are less suitable - gives 3 points	3
Makes mention of the age-sex pyramid	1
land use map	1
Satisfactory: States preferred development proposal	1
Indicates superficially how the chosen development meets most of the criteria - makes 4 points	4
Limited reference to other proposals	2
Limited mentions of age sex pyramid and land use map	1
Poor: States preferred development proposal	1
Inappropriate justification of the decision (using the criteria or otherwise)	3
Some reference to other proposals but extraneous or irrelevant	1
No reference to the age-sex pyramid or land use map	0