

Assessment Schedule – 2016**Geography: Apply concepts and basic geographic skills to demonstrate understanding of a given environment (91010)****Evidence**

| Question | |
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| ONE | Codes: B = Basic C = Complex |
| <i>Geographic Concepts: Environments</i> | |
| (a) | (i) Gives the compass direction the Clutha River / Mata-Au flows: <ul style="list-style-type: none"> • S • SSE. <div style="text-align: right;"> B = South C = South-south east </div> |
| | (ii) Names the New Zealand cycle track with the “most advanced” grading: <ul style="list-style-type: none"> • The Old Ghost Road. <div style="text-align: right;">B</div> |
| (b) | (i) Gives the length of the Clutha Gold Trail: <ul style="list-style-type: none"> • 73 km OR • Two days by cycle. <div style="text-align: right;">B</div> |
| | (ii) Gives the number of bridges that cross the Clutha River / Mata-Au between the start and finish of the Clutha Gold Cycleway: <ul style="list-style-type: none"> • 4. <div style="text-align: right;">C</div> |
| | (iii) Gives the section of the Clutha Gold Trail that has the greatest change in altitude: <ul style="list-style-type: none"> • Beaumont to Lawrence. <div style="text-align: right;">B</div> |
| (c) | (i) Gives the linear feature found at 122497: <ul style="list-style-type: none"> • State Highway 8. <div style="text-align: right;">B</div> |
| | (ii) Gives the area reference (4-figure or AR) for the grid square where the Teviot River joins the Clutha River / Mata-Au: <ul style="list-style-type: none"> • 1250. <div style="text-align: right;">B</div> |

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| (d) | <p>(i) Gives the most recent resource between Resource D and Resource E, with at least ONE piece of evidence to support answer, e.g.:</p> <ul style="list-style-type: none"> • Resource E • Evidence: <ul style="list-style-type: none"> - More orchards established, e.g. south of the racecourse, east of Kerrimuir, and north of Kinaston Road. - New storage dam / pond and farm buildings visible, etc - Google Earth photograph taken from a satellite. | <p>B OR C (more than ONE piece of evidence).</p> |
| | <p>(ii) Fully explains the usefulness for geographers of Resource D or Resource E when looking at patterns of land use in Roxburgh, e.g.:</p> <ul style="list-style-type: none"> • Resource D (map) usefulness: <ul style="list-style-type: none"> - Has an orientation (north). - Everything is named (labelled e.g. Kinaston Road, Teviot River). - Can use the key to identify features. - Useful ways of showing height. - Has grid squares and latitude and longitude to use for locating features. • Resource E (photograph) usefulness: <ul style="list-style-type: none"> - More recent. - Colours allow features to be easily seen. - Easier to see features such as ponds, irrigation (e.g. pivot circle), and orchards. - Easy to work out relief and rivers, e.g. hills and riverbeds (Clutha River / Mata-Au). - Don't need to use a key to work out what things are. | <p>B (little supporting evidence or no explanation of the evidence) OR C (choice fully explained).</p> |

| Question One | | Expected Coverage | | | | | |
|--|---|---|---|---|---|---|--|
| N1 | N2 | A3 | A4 | M5 | M6 | E7 | E8 |
| <p>1 correct out of 9.</p> <p>Shows minimal knowledge of basic skills and geographic conventions in the presentation of information.</p> | <p>2 correct out of 9.</p> <p>Shows insufficient knowledge of basic skills and geographic conventions in the presentation of information.</p> | <p>3 B OR: 4 B correct out of 9.</p> <p>Uses basic skills and geographic conventions in the presentation of information, in some instances.</p> <p>Shows a basic understanding of the geographic concept of environments.</p> | <p>1 C AND 4 B correct out of 9.</p> <p>Uses basic skills and geographic conventions in the presentation of information, in most instances.</p> <p>Shows a basic understanding of the geographic concept of environments.</p> | <p>1 C AND 5 B correct out of 9.</p> <p>Uses basic skills and geographic conventions with precision, in the presentation of information, in some instances.</p> <p>Shows an in-depth understanding of the geographic concept of environments.</p> | <p>2 C AND 5 B correct out of 9.</p> <p>Uses basic skills and geographic conventions with precision, in the presentation of information, in most instances.</p> <p>Shows an in-depth understanding of the geographic concept of environments.</p> | <p>3 C AND 4 B correct out of 9.</p> <p>Uses geographic conventions with consistent precision, in most instances.</p> <p>Shows ability at completing a high number of geographic skills, using geographic terminology in the context of environments.</p> <p>Uses some supporting evidence from the resource material provided.</p> | <p>3 C AND 5 B correct out of 9.</p> <p>Uses geographic conventions with consistent precision.</p> <p>Shows excellent ability at completing a high number of geographic skills, using geographic terminology and concepts in the context of environments.</p> <p>Uses supporting evidence from the resource material provided.</p> |

N0 = No response; no relevant evidence.

| Question | Evidence | |
|---|---|--|
| TWO | Codes: B = Basic C = Complex | |
| <i>Geographic Concepts: Environments, Processes, and Patterns</i> | | |
| (a) | Uses the figures from Resource G to complete the climate graph for the Roxburgh area: <ul style="list-style-type: none">Title: "Climate Graph (Climograph) for the Roxburgh Area" (or similar).Axes both labelled: "Rainfall (mm)" on right vertical axis."Months" on horizontal axis.Scale completed and even. <i>Note: MUST be on the right side of the graph and go to at least 60mm.</i> <ul style="list-style-type: none">Accurate plotting of points. <i>Note: MUST be a histogram showing continuous data.</i> (See Appendix A). | B = 2 correct <i>OR:</i> C = 3 correct. B = 1 correct <i>OR:</i> C = 2 correct. |
| (b) | States the total annual rainfall for the Roxburgh area: <ul style="list-style-type: none">566.8 mm (accept between 566 mm or 567 mm). <i>Note: MUST have mm.</i> | B |
| (c) | States the average temperature for the Roxburgh area in summer: <ul style="list-style-type: none">15.9°C. <i>Note: MUST have °C.</i> | C |
| (d) | Fully explains the pattern of temperatures and rainfall that the Roxburgh Area experiences throughout the seasons, using specific information from Resource G to support answer, e.g.: <ul style="list-style-type: none">Temperatures:<ul style="list-style-type: none">Summer temperatures highest (mid-summer = 16.4°C); coincides with the wettest season = 164 mm rainfall; warm summers average 15.9°C (ranges through 1.2°C).Winter temperatures drop to an average of 5.3°C; mid-winter averages 4.6°C (ranges through 1.5°C); coincides with dry season = 113.3mm of rainfall.Autumn averages 11.0°C (mid-autumn = 11.1°C); rainfall averages 153.5mm.Spring averages 11.1°C (mid-spring = 11.3°C); rainfall = 136mm.Yearly pattern: warm, wet summers and cold, dry winters. | B = Basic Attempts, but little or no supporting statistics, or MUST include something relevant about temperature. <i>OR:</i> C = Complex Detailed supporting evidence for at least TWO seasons (temperature and rainfall). <i>Note: MUST refer to the concept of "patterns" or ideas from the concept box, e.g. changes over time or seasons.</i> |

| Question Two | | Expected Coverage | | | | | |
|---|---|--|--|--|--|---|--|
| N1 | N2 | A3 | A4 | M5 | M6 | E7 | E8 |
| <p>1 correct out of 5.</p> <p>Shows minimal knowledge of basic skills and geographic conventions in the presentation of information and interpretation of graphs, tables, and statistics.</p> <p>Shows a lack of basic skills</p> | <p>2 correct out of 5.</p> <p>Shows insufficient knowledge of basic skills and geographic conventions in the presentation of information and interpretation of graphs, tables, and statistics.</p> <p>Shows a lack of basic skills.</p> | <p>3 B OR: 2 B AND 1 C correct out of 5.</p> <p>Uses basic skills and geographic conventions in the presentation of information and interpretation of graphs, tables, and statistics, in some instances.</p> <p>Shows a basic understanding of geographic concepts / processes.</p> | <p>4 B OR: 3 B AND 1 C correct out of 5.</p> <p>Uses basic skills and geographic conventions in the presentation of information and interpretation of graphs, tables, and statistics, in most instances.</p> <p>Shows a basic understanding of geographic concepts / processes in (d) or (e).</p> | <p>2 C AND 1 B correct out of 5.</p> <p>Uses basic skills and geographic conventions with precision in presentation of information and interpretation of graphs, tables, and statistics, in some instances.</p> <p>Shows in-depth usage and understanding of geographic skills and concepts.</p> | <p>2 C AND 2 B correct out of 5.</p> <p>Uses basic skills and geographic conventions with precision in presentation of information and interpretation of graphs, tables, and statistics, in most instances.</p> <p>Shows in-depth usage and understanding of geographic skills and concepts.</p> | <p>3 C AND 1 B correct out of 5.</p> <p>Uses geographic skills and conventions with consistent precision in the presentation of information and interpretation of graphs, tables, and statistics, in most instances.</p> <p>Shows full application and understanding of geographic skills and concepts, using some supporting evidence from the resource material provided.</p> | <p>4 C AND 1 B correct out of 5.</p> <p>Uses geographic conventions with consistent precision in the presentation of information and interpretation of graphs, tables, and statistics.</p> <p>Shows full application and understanding of geographic skills and concepts, using geographic terminology and a range of supporting evidence from the resource material provided.</p> |

N0 = No response; no relevant evidence.

| Question | Evidence | | | | | | | | | | | | | | | |
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| THREE | Codes: N = Not answered, irrelevant or insufficient answer. B = Basic Ep = Partial explanation (a basic understanding of the concept of kaitiakitanga and / or sustainability is shown, but little supporting evidence). Ed = Detailed explanation (a full explanation of the concepts of kaitiakitanga and sustainability is given, with supporting evidence). | | | | | | | | | | | | | | | |
| Geographic Concepts: Sustainability and Kaitiakitanga | | | | | | | | | | | | | | | | |
| (a) | Locates and labels on the précis sketch of Roxburgh East: <ul style="list-style-type: none">• a storage dam north of Kinaston Road• the Roxburgh Racecourse• the area of orcharding south of the racecourse. (See Appendix B). | B = 2 correctly located <i>OR</i> C = 3 correctly located. | | | | | | | | | | | | | | |
| (b) | Places Roxburgh land use types in the correct historical order: <table><tr><th>Land use type</th><th>Historical order</th></tr><tr><td>Apple growing = <i>Note: Given to candidate.</i></td><td>C</td></tr><tr><td>Moa hunting =</td><td>A</td></tr><tr><td>Roxburgh Hydro Village =</td><td>D</td></tr><tr><td>Clutha Cycle Trail =</td><td>F</td></tr><tr><td>Gold dredging =</td><td>B</td></tr><tr><td>Canning apricots (ceased) = <i>Note: Given to candidate.</i></td><td>E</td></tr></table> | Land use type | Historical order | Apple growing = <i>Note: Given to candidate.</i> | C | Moa hunting = | A | Roxburgh Hydro Village = | D | Clutha Cycle Trail = | F | Gold dredging = | B | Canning apricots (ceased) = <i>Note: Given to candidate.</i> | E | B = 4 correct. |
| Land use type | Historical order | | | | | | | | | | | | | | | |
| Apple growing = <i>Note: Given to candidate.</i> | C | | | | | | | | | | | | | | | |
| Moa hunting = | A | | | | | | | | | | | | | | | |
| Roxburgh Hydro Village = | D | | | | | | | | | | | | | | | |
| Clutha Cycle Trail = | F | | | | | | | | | | | | | | | |
| Gold dredging = | B | | | | | | | | | | | | | | | |
| Canning apricots (ceased) = <i>Note: Given to candidate.</i> | E | | | | | | | | | | | | | | | |

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| (c) | <p>Fully explains how the concept of kaitiakitanga and / or sustainability can be applied to land use in the Roxburgh area, referring to a wide variety of land uses, and with specific evidence from the resource to support answer, e.g.:</p> <p>Kaitiakitanga and / or sustainability + evidence:</p> <ul style="list-style-type: none"> • Kaitiakitanga means caring for resources and future use. • Early Māori hunted Moa along the trails beside the Clutha River – evidence remains of ovens dating back to the 13th century (1275 AD). Moas now extinct. May not have understood about hunting Moa to extinction. Practice was unsustainable. Food source. Quite different to their approach to the use of land today – evidence from <i>ODT</i> article. • Gold mining – not sustainable – was destructive. Gold removed. • Orchardng – sustainable examples of sustainable practices given from resources (Southern Orchards). • Dam – sustainable. • Farming – sustainable now. • Cycle trails, etc – sustainable now. <p><i>Note: Concepts of kaitiakitanga and / or sustainability MUST be included in the answer.</i></p> | <p>N = Not answered, irrelevant, or insufficient answer OR Ep = Partial explanation A basic understanding of the resource use is shown, but little supporting evidence relating to the concepts of sustainability and / or kaitiakitanga OR Ed = Detailed explanation A full explanation of resource use is shown, with very detailed supporting evidence and reference to most land uses. A comprehensive understanding of concepts of sustainability and / or kaitiakitanga shown, and discussed with considerable insight.</p> |
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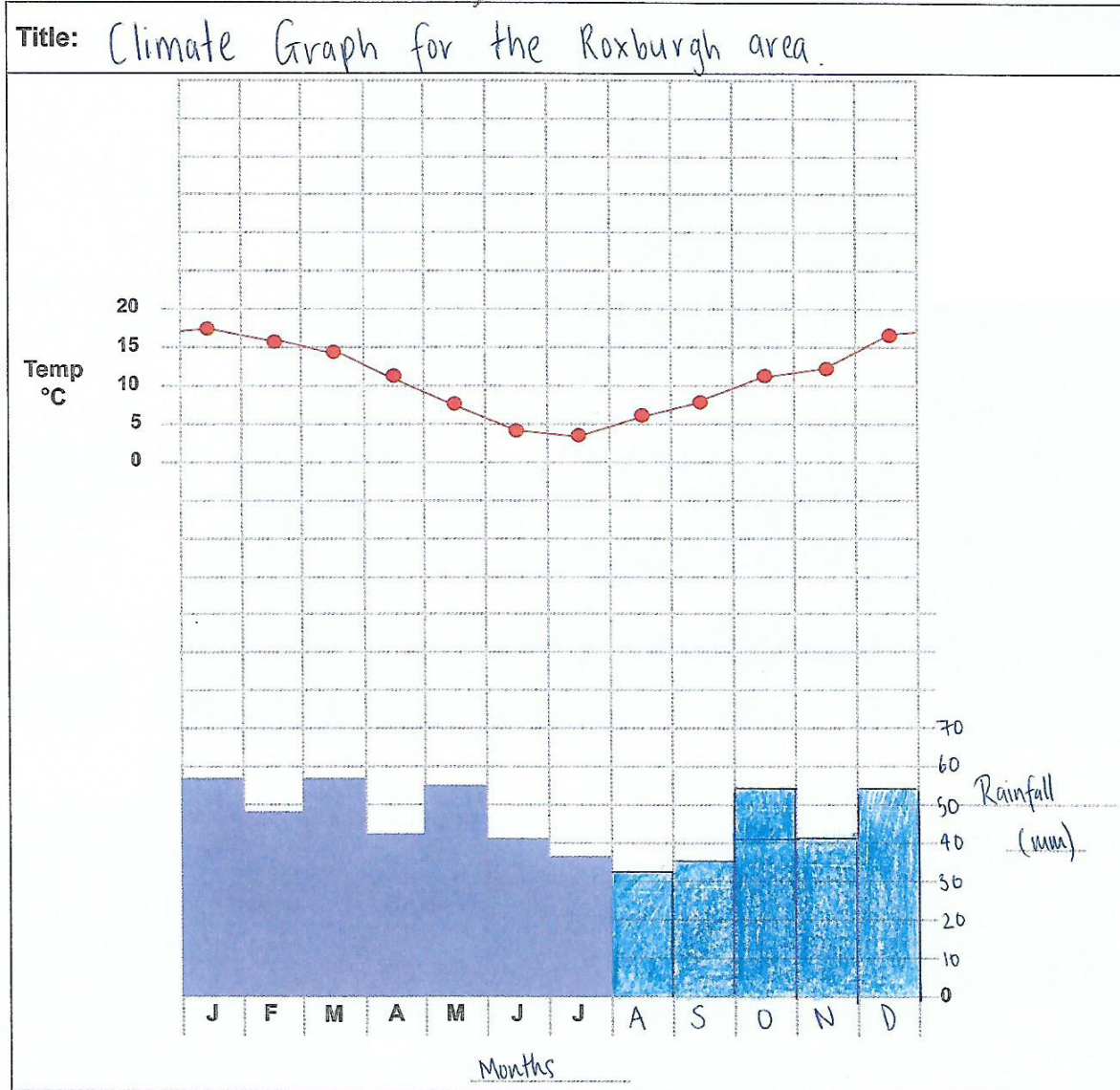
| Question Three | | | | | | | |
|---|---|---|--|---|---|---|--|
| Expected Coverage | | | | | | | |
| N1 | N2 | A3 | A4 | M5 | M6 | E7 | E8 |
| 1 B ONE part completed with partial explanation, but no supporting evidence OR Shows minimal knowledge of basic skills and geographic conventions, in the presentation of information. | 1 Ep ONE part completed with partial explanation, but no supporting evidence OR Shows insufficient knowledge of basic skills and geographic conventions, in the presentation of information. | 1 Ep and 1 B OR: 2 B OR: 1 C Uses basic skills and geographic conventions, in the presentation of information, in some instances. Shows a basic understanding of geographic concepts / processes in any ONE of (a), (b), or (c). | 1 B AND 1 C OR: 1 Ed OR: 2 B AND 1 Ep Uses basic skills and geographic conventions, in the presentation of information, in most instances. Shows a basic understanding of geographic concepts / processes in any TWO of (a), (b), or (c). | 1 C AND 1 Ep OR: 1 B AND 1 Ed Uses basic skills and geographic conventions with precision, in the presentation of information, in some instances. Shows an in-depth understanding of geographic concepts / processes in any ONE of (a), (b), or (c). | 1 C AND 1 Ed OR: 2 B AND 1 Ed Uses basic skills and geographic conventions with precision, in the presentation of information, in most instances. Shows an in-depth understanding of geographic concepts / processes in any TWO of (a), (b), or (c). | 1 C AND 1 B AND 1 Ep Uses geographic conventions with consistent precision, in the presentation of information, in most instances. Shows a full understanding of geography concepts using geographic terminology. Uses some supporting evidence from the resources provided. Shows some insight. | 1 C AND 1 B AND 1 Ed Uses geographic conventions with consistent precision, in the presentation of information. Shows a full understanding of geography concepts using geographic terminology. Uses a range of supporting evidence from the resources provided. A full explanation of resource use is shown, with very detailed supporting evidence and reference to most land uses. A comprehensive understanding of concepts of kaitiakitanga and / or sustainability shown, and discussed with considerable insight. |

N0 = No response; no relevant evidence.

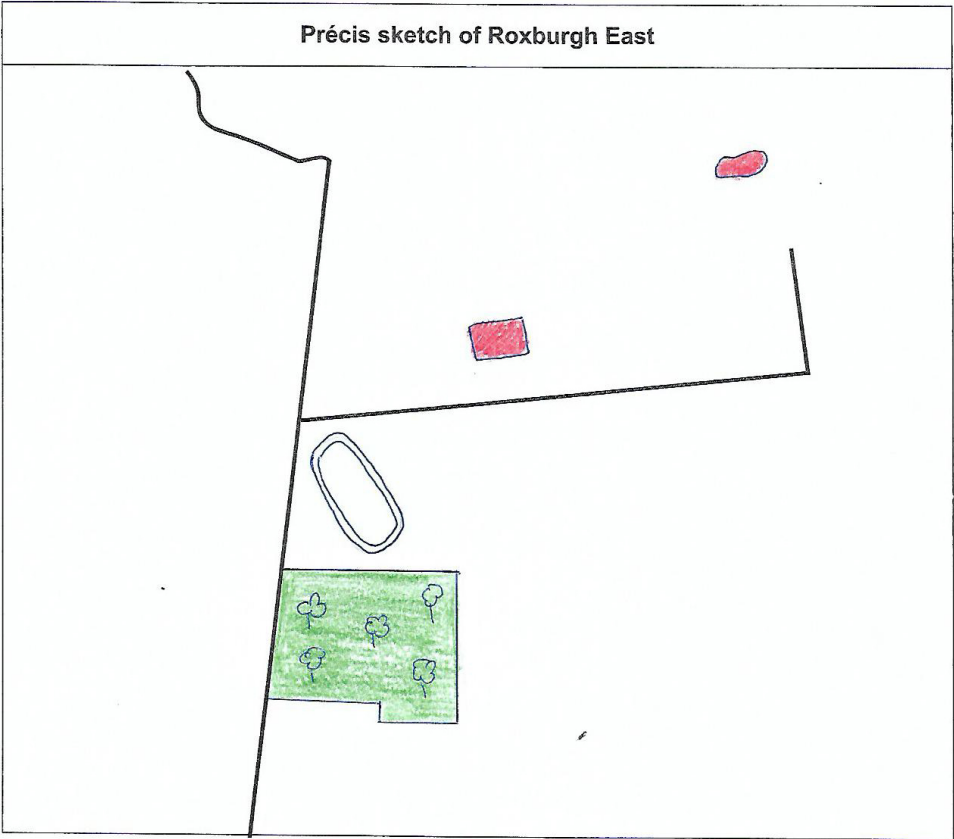
Cut Scores

| Not Achieved | Achievement | Achievement with Merit | Achievement with Excellence |
|--------------|-------------|------------------------|-----------------------------|
| 0 – 7 | 8 – 13 | 14 – 18 | 19 – 24 |




Appendix A – Question Two (a)



Appendix B – Question Three (a)



Key:

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|---|---|
|  | Storage dam north of Kinaston Road (ONE ONLY) |
|  | Roxburgh Racecourse |
|  | Orchard area south of the Roxburgh Racecourse |