

2022 HSC Geography Marking Guidelines

Section I

Multiple-choice Answer Key

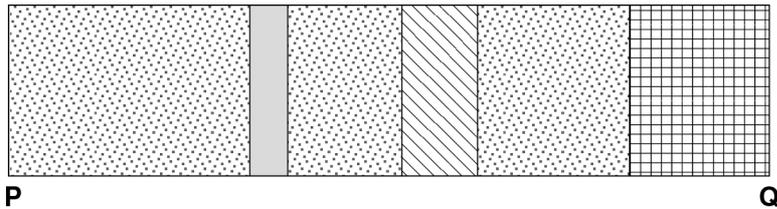
Question	Answer
1	D
2	B
3	C
4	A
5	B
6	A
7	D
8	A
9	C
10	B
11	A
12	D
13	A
14	B
15	B
16	D
17	C
18	B
19	C
20	C

Section II

Question 21 (a)

Criteria	Marks
• Correctly completes the transect	2
• Completes at least TWO sections of the transect correctly	1

Sample answer:



Question 21 (b)

Criteria	Marks
• Correctly identifies the feature	1

Sample answer:

Cycle path

Question 21 (c)

Criteria	Marks
• Shows correct calculation or provides correct answer	1

Sample answer:

$$\frac{(3.3 + 1.6 + 2)}{10} = 69\%$$

Answers could include:

Answers in the range of 67% to 71%.

Question 22 (a)

Criteria	Marks
• Names an urban dynamic present in Source A and provides a justification	2
• Names and/or shows some understanding of an urban dynamic present in Source A	1

Sample answer:

'Urban village' is present in Source A because of the similarity in architecture found along the street. All buildings on the right side of the street display a white frontage and are very similar in size and shape.

Answers could include:

Relevant urban dynamics include: urban village, suburbanisation, consolidation, spatial exclusion, urban renewal.

Question 22 (b)

Criteria	Marks
• Provides comparison between an urban dynamic present in Source B with one operating in a suburb/country town	3
• Shows understanding of an urban dynamic present in Source B and one operating in suburb/country town	2
• Provides some relevant information about urban places	1

Sample answer:

Source B shows evidence of urban renewal with gentrified buildings, similar to many terrace houses on Campbell St, Surry Hills. Harmony Park in Surry Hills has been part of an urban renewal plan within the City of Sydney LGA that is now a thriving space where people can exercise and walk their dogs leash free. Similarly, Source B shows planning with its well-organised street market.

Question 22 (c)

Criteria	Marks
• Provides reasons why some small towns are in decline	3
• Describes the decline of small towns	2
• Provides some relevant information about small towns	1

Sample answer:

Small towns are in decline due to the centralisation of health and other government services (eg Service NSW) in regional centres such as Dubbo. This has led to people moving from small towns like Trangie. The closure of a large business eg the abattoir in Coonabarabran leads to job losses and people move away in search of employment.

Question 23 (a)

Criteria	Marks
• Justifies ONE criteria for evaluating ecosystem management strategies	2
• Identifies ONE criteria for evaluating ecosystem management strategies OR • Outlines an ecosystem management strategy	1

Sample answer:

The rangers could evaluate their management strategies based on whether they benefit biodiversity, because this can make the park ecologically stronger.

Answers could include:

Criteria for evaluating ecosystem management strategies such as:

- water quality
- air quality
- species counts
- cost
- community perception
- tourism effects
- employment impacts.

Question 23 (b)

Criteria	Marks
• Makes a clear and detailed connection between the rate of change affecting the ecosystem and its ability to adjust	6
• Makes a connection between the rate of change affecting the ecosystem and its ability to adjust	5
• Describes the rate of change affecting the ecosystem and its ability to adjust	3–4
• Outlines change affecting the ecosystem	2
• Makes general statements about ecosystems	1

Sample answer:

The Great Barrier Reef is affected by rapid changes, leading to its ability to adjust being challenged. Climate change has led to intensified heatwaves and high water temperatures in repeated years recently, for example in 2016–2017. Due to the rapid and sustained nature of this around two-thirds of the reef experienced increased frequency of bleaching, leading to reduced ability of the ecosystem to recover/adjust. Coral polyps are so stressed that they expel the zooxanthellae that live inside them. This affects the whole ecosystem, as coral is a keystone species there. With so much of the reef being affected, fish cannot easily swim from an unhealthy area to a healthy area, and so their numbers reduce.

Question 24 (a)

Criteria	Marks
<ul style="list-style-type: none"> Provides features and characteristics of how an understanding of geography is relevant to a named career associated with the economic enterprise 	3
<ul style="list-style-type: none"> Outlines how an understanding of geography may be related to a named career or the economic enterprise 	2
<ul style="list-style-type: none"> Provides some relevant information about a career or an economic enterprise/activity 	1

Sample answer:

An understanding of geography is relevant to a viticulturalist at Tamburlaine. Their knowledge of soil composition and cultivation of grape varieties helps them to grow better grapes for making good tasting wines. They also benefit from knowing about climate and weather, and how they can support their vines.

Answers could include:

Careers such as:

- Scientist, and their knowledge of genetic modification of drought resistant wheat varieties
- Ski lift manufacturer, and their knowledge of climatic conditions such as wind speed and direction.

Question 24 (b)

Criteria	Marks
<ul style="list-style-type: none"> Clearly explains with detail how changes in consumer demand can affect an economic activity 	5
<ul style="list-style-type: none"> Explains how changes in consumer demand can affect an economic activity 	4
<ul style="list-style-type: none"> Describes connections between consumer demand and an economic activity/enterprise 	3
<ul style="list-style-type: none"> Outlines connections between consumer demand and an economic activity/enterprise 	2
<ul style="list-style-type: none"> Makes general statements about an economic activity/enterprise 	1

Sample answer:

Changes in consumer demand can affect popular forms of tourism – for example if more people want nature holidays, then that area can grow. It can also impact the spatial patterns of tourism – for example during Covid fewer people travelled overseas, and so tourism to popular destinations such as Bali was reduced. Finally, it can affect the future directions of tourism – for example if tourists are keen to drive electric cars, then car rental companies will provide them to tourists in the future.

Answers could include:

Effects on the economic activity can include:

- increase/decrease in profits
- increase/decrease in market share
- increase/decrease in product range
- increase/decrease in spatial distribution.

Question 25 (a)

Criteria	Marks
• Comprehensively demonstrates how international environmental efforts can affect ONE global economic activity	4
• Demonstrates how international environmental efforts can affect ONE global economic activity	3
• Outlines how international efforts can affect a global economic activity	2
• Provides some relevant information about international environmental efforts or global economic activity	1

Sample answer:

International environmental efforts, such as COP26, can affect tourism by encouraging national regulators and tourism operators to seek to reduce their carbon footprint and by generally increasing the interest in eco-travel. Climate change conferences encourage, for example, carbon offsets in airline and ship travel, and hotels to improve their energy efficiency.

Question 25 (b)

Criteria	Marks
• Comprehensively demonstrates how ONE economic activity uses global networks	4
• Demonstrates how ONE economic activity uses global networks	3
• Outlines links between an economic activity and global networks	2
• Makes general statements about economic activity or global networks	1

Sample answer:

Wine making sales and transportation are supported by global networks. While wine making generally occurs in regional areas, a large proportion of the people who buy wine are in cities, especially wealthier people who drink wine. So wine is transported from the areas where it is grown to cities and many of the wine customers.

Question 26

Criteria	Marks
<ul style="list-style-type: none">Explains how the character of world cities is demonstrated by Stockholm having the 'world's first national urban park'	4
<ul style="list-style-type: none">Makes some connection between the character of world cities and Stockholm having the 'world's first national urban park'	3
<ul style="list-style-type: none">Outlines the character of world cities and/or the 'world's first national urban park'	2
<ul style="list-style-type: none">Makes general statements about world cities, national parks, or Stockholm	1

Sample answer:

Stockholm's announcement about its national urban park demonstrates the character of world cities because of its innovation and cultural authority. Its people see themselves as leaders in environmental attitudes and so are role models for other cities to follow. Also because of their wealth they can afford to conserve nature instead of using that space for other purposes.

Section III

Question 27

Criteria	Marks
<ul style="list-style-type: none"> • Demonstrates comprehensive knowledge and understanding of how a local economic enterprise affects and is affected by its environment • Provides a well-supported judgement of how a local economic enterprise affects and is affected by its environment • Integrates relevant case studies, illustrative examples and the Stimulus Booklet where appropriate • Presents a sustained, logical and cohesive response using appropriate geographical information, terms and concepts 	17–20
<ul style="list-style-type: none"> • Demonstrates well-developed knowledge and understanding of how a local economic enterprise affects and is affected by its environment • Provides a judgement of how a local economic enterprise affects and is affected by its environment • Refers to relevant case studies, illustrative examples and the Stimulus Booklet where appropriate • Presents a logical response using appropriate geographical information and terms 	13–16
<ul style="list-style-type: none"> • Demonstrates a sound understanding of how a local economic enterprise affects and is affected by its environment • Provides a description of how a local economic enterprise affects and is affected by its environment • Refers to case studies, illustrative examples and the Stimulus Booklet where appropriate • Presents a structured response using appropriate geographical information 	9–12
<ul style="list-style-type: none"> • Demonstrates some understanding of how an economic enterprise/activity affects and/or is affected by its environment • May refer to case studies, illustrative examples and/or the Stimulus Booklet • Uses some geographical information 	5–8
<ul style="list-style-type: none"> • Demonstrates a basic understanding of an economic enterprise/activity 	1–4

Answers could include:

- Provides a well-supported judgement of the effect of a local economic enterprise on its environment and of the effect of the environment on the enterprise based on the level of environmental damage/improvement and levels of constraints/advantages
- Impacts of the local economic enterprise on its environment may include:
 - pollution
 - degradation
 - reduction of biodiversity
 - soil erosion.

- Environmental impacts on the local economic enterprise may include:
 - disease and pests requiring management
 - frosts and heat waves reducing product quality
 - natural hazards impacting supply chains
 - climate fluctuations impacting yields.
- Reference to the Stimulus Booklet such as Sources *L*, *M*, *N* and *O*.

Question 28

Criteria	Marks
<ul style="list-style-type: none"> • Demonstrates comprehensive knowledge and understanding of the importance of ecosystem management and protection • Provides sophisticated arguments for and/or against the statement • Integrates relevant case studies, illustrative examples and the Stimulus Booklet where appropriate • Presents a sustained, logical and cohesive response using appropriate geographical information, terms and concepts 	17–20
<ul style="list-style-type: none"> • Demonstrates well-developed knowledge and understanding of the importance of ecosystem management and protection • Provides arguments for and/or against the statement • Refers to relevant case studies, illustrative examples and the Stimulus Booklet where appropriate • Presents a logical response using appropriate geographical information and terms 	13–16
<ul style="list-style-type: none"> • Demonstrates a sound understanding of the importance of ecosystem management and/or protection • Describes reasons for the management and protection of ecosystems • Refers to case studies, illustrative examples and/or the Stimulus Booklet where appropriate • Presents a structured response using appropriate geographical information 	9–12
<ul style="list-style-type: none"> • Demonstrates some understanding of ecosystem management and/or protection • May refer to case studies, illustrative examples and/or the Stimulus Booklet where appropriate • Uses some geographical information 	5–8
<ul style="list-style-type: none"> • Demonstrates a basic understanding of ecosystem management or protection 	1–4

Answers could include:

- A discussion of the relative importance of ecosystem management and protection including utility values, and may include:
 - maintenance of genetic diversity
 - intrinsic values
 - heritage values
 - need to allow natural change to proceed.
- Reference to the Stimulus Booklet such as:
 - economic benefits of Royal National City Park aquatic ecosystems
 - heritage value of Royal National City Park meadows
 - biodiversity in Royal National City Park.
- Reference to ecosystems such as:
 - coral reefs
 - intertidal wetlands
 - coastal dunes
 - coniferous forests
 - tropical rainforests.

Question 29

Criteria	Marks
<ul style="list-style-type: none"> • Demonstrates comprehensive knowledge and understanding of the challenges of living in mega cities of the developing world • Provides a well-supported explanation of why the challenges of living in mega cities of the developing world occur • Integrates relevant case studies, illustrative examples and the Stimulus Booklet where appropriate • Presents a sustained, logical and cohesive response using appropriate geographical information, terms and concepts 	17–20
<ul style="list-style-type: none"> • Demonstrates well-developed knowledge and understanding of the challenges of living in mega cities of the developing world • Provides an explanation of why the challenges of living in mega cities of the developing world occur • Refers to relevant case studies, illustrative examples and the Stimulus Booklet where appropriate • Presents a logical response using appropriate geographical information and terms 	13–16
<ul style="list-style-type: none"> • Demonstrates a sound understanding of the challenges of living in mega cities of the developing world • Provides some explanation of the challenges of living in mega cities of the developing world • Refers to case studies, illustrative examples and the Stimulus Booklet where appropriate • Presents a structured response using appropriate geographical information 	9–12
<ul style="list-style-type: none"> • Demonstrates some understanding of the challenges of living in mega cities of the developing world • May refer to case studies, illustrative examples and/or the Stimulus Booklet • Uses some geographical information 	5–8
<ul style="list-style-type: none"> • Demonstrates a basic understanding of mega cities and/or their challenges 	1–4

Answers could include:

- Challenges of living in mega cities of the developing world include:
 - housing supply and quality
 - traffic congestion
 - infrastructure problems with transport, energy supplies, water supplies, health facilities, sanitation
 - health issues
 - employment issues.
- Reference to the Stimulus Booklet such as reference to Sources *C, D, E*
- Reasons why the challenges of mega cities of the developing world occur include:
 - population growth of the mega cities is too rapid causing housing and employment issues
 - lack of government revenue to provide the necessary services and infrastructure

- poor planning by governments leading to poor water quality and traffic congestion, with resulting social and health issues
- lack of employment opportunities leads to social issues and crime
- geographical constraints, eg surrounding mountains trapping air pollutants.

2022 HSC Geography Mapping Grid

Section I

Question	Marks	Content	Syllabus outcomes
1	1	Photo interpretation	H3
2	1	Graph type	H10
3	1	Concept definition	H1
4	1	Map interpretation	H10
5	1	Contour interval	H10
6	1	GR and direction	H10
7	1	Aspect	H10
8	1	Cross-section	H10
9	1	Type of map	H10
10	1	Distance	H11
11	1	Text interpretation and concept definition	H1
12	1	Scale of sources	H10
13	1	Cartogram calculation	H11
14	1	Cartogram interpretation	H10
15	1	Source interpretation	H10
16	1	Climate graph calculation	H11
17	1	Reading the climate graph	H10
18	1	Population pyramid calculation	H11
19	1	Relative change calculation	H11
20	1	Time of day	H10

Section II

Question	Marks	Content	Syllabus outcomes
21 (a)	2	Transect	H10
21 (b)	1	Interpretation of source	H10
21 (c)	1	Land use percentage	H11
22 (a)	2	Urban dynamic photo interpretation	H3, H10
22 (b)	3	Comparison of urban dynamic in photo and in a suburb/small town	H3, H10
22 (c)	3	Demise of small towns	H3
23 (a)	2	Criteria for evaluating management strategies	H1, H7
23 (b)	6	Nature and rate of change	H1, H2
24 (a)	3	Relevance of geographical understanding to a particular PEA vocation	H7
24 (b)	5	Consumer demand and an economic activity	H1
25 (a)	4	International agreement effects on global economic activity	H1
25 (b)	4	Economic activity and global networks	H1
26	4	The character of world cities and a NP	H1

Section III

Question	Marks	Content	Syllabus outcomes
27	20	People and economic activity	H5, H12, H13
28	20	Ecosystems at risk	H2, H12, H13
29	20	Urban places	H1, H12, H13