

**GEOGRAPHICAL ASSOCIATION OF WESTERN AUSTRALIA** [Inc.]

**GEOGRAPHY – Year 11 ATAR Unit 2 ONLY Examination**

**Semester 2, 2021**

**Question/Answer Booklet**

**Student Name:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Student Number:**

(if required)

**Teacher Name:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Time allowed for this paper**

Reading time before commencing work: ten minutes

Working time: three hours

**Materials required/recommended for this paper**

***To be provided by your teacher/supervisor***

This Question/Answer Booklet

Broadsheet

Multiple-choice answer sheet

Examination writing booklet or writing paper, if supplied by your teacher/supervisor.

***To be provided by candidate***

Standard items: pens (blue/black preferred), pencils (including coloured), sharpener,correction fluid/tape, eraser, ruler, highlighters.

Special items: approved drawing and measuring instruments (i.e. dividers, drawing compass, protractor and string), up to three calculators, which do not have the capacity to create or store programmes or text, are permitted in the ATAR course examination.

***Important note to candidates***

No other items may be taken into the examination room. It is **your** responsibility to ensure that you do not have any unauthorised material. If you have any unauthorised material with you, hand it to your teacher/supervisor **before** reading any further.

**Structure of this paper**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Section** | **Number of questions available** | **Number of questions to be answered** | **Suggested working time**  **(minutes)** | **Marks available** | **Percentage of**  **examination** |
| Section One  Multiple-choice | 20 | 20 | 30 | 20 | 20 |
| Section Two  Short response | 12 | 12 | 70 | 40 | 40 |
| Section Three  Extended response  Part A: Depth Study 1 | 2 | 1 | 40 | 20 | 20 |
| Section Three  Extended response  Part B: Depth Study 2 | 2 | 1 | 40 | 20 | 20 |
| **Total marks** | | | | | **100** |

**Instructions to candidates**

1. The rules for the conduct of this examination are as detailed by your teacher/supervisor. Sitting this examination implies that you agree to abide by these rules.

2. Write your answers in this Question/Answer Booklet or on the lined paper provided by your teacher/supervisor, preferably using a blue/black pen. Do not use erasable or gel pens.

3. Answer the questions according to the following instructions:

Section One: Answer all questions on the separate Multiple-choice answer sheet provided. For each question, shade the box to indicate your answer. Use only a blue or black pen to shade the boxes. Do not use erasable or gel pens. If you make a mistake, place a cross through the square, then shade your new answer. Do not erase or use correction fluid/tape. Marks will not be deducted for incorrect answers. No marks will be given if more than one answer is completed for any question.

Section Two: Answer all questions. Write your answers in this Question/Answer Booklet.

Section Three: Consists of two parts, each with two questions. You must answer one question from each part. Tick the box next to each question you are answering. Write your answers in this Question/Answer Booklet or on the lined paper provided by your teacher/supervisor.

4. Wherever possible, you are encouraged to use relevant, fully labelled sketch maps, diagrams and actual examples to illustrate and support your answers.

1. You must be careful to confine your answers to the specific questions asked and to follow any instructions that are specific to a particular question.

6. Supplementary pages for the use of planning/continuing your answer to a question have been provided at the end of this Question/Answer Booklet or the lined paper provided by your teacher/supervisor. If you use these pages to continue an answer, indicate at the original answer where the answer is continued, i.e. give the page number.

7. You are encouraged to refer to the sources on the Broadsheet to support your answer for any question.

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**3.**

**Section One: Multiple-choice 20% (20 marks)**

This section has **20** questions. Answer **all** questions on the separate Multiple-choice answer sheet provided. For each question, shade the box to indicate your answer. Use only a blue or black pen to shade the boxes. Do not use erasable or gel pens. If you make a mistake, place a cross through the square, then shade your new answer. Do not erase or use correction fluid/tape. Marks will not be deducted for incorrect answers. No marks will be given if more than one answer is completed for any question.

Suggested working time: 30 minutes.

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Refer to **Source 1:** Byron Bay topographic map – 2017 to answer Questions 1 to 12.

1. The scale of the map could be stated as:
2. one centimetre represents 250 metres.
3. one centimetre represents 500 metres.
4. one centimetre represents 25,000 metres.
5. one centimetre represents 4 kilometres.
6. The contour interval of the topographic map is:
7. 5 metres.
8. 10 metres.
9. 20 metres.
10. 50 metres.
11. Which of the following is a cultural feature found within AR 6231?
12. Ambulance station
13. A cliff
14. Electricity substation
15. Emergency headquarters
16. The distance by rail from the bridge at GR 560288 to the (closed) railway station at Byron Bay is closest to:
17. 6.0 km.
18. 7.0 km.
19. 8.0 km.
20. 9.0 km.
21. What is the elevation above sea level of the communication tower located at GR 561282?
22. between 120 and 130 metres
23. between 130 and 140 metres
24. between 140 and 150 metres
25. between 150 and 160 metres

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1. Heading north-east from the yards at GR 551292, the slope could best be described as:
2. concave.
3. convex.
4. uniform.
5. no slope.
6. The topographic feature most prominent in the southern half of AR 5730 is a:
7. plain.
8. saddle.
9. spur.
10. valley.
11. What is the gradient of the slope from the southern edge of the small lake at GR 563261 to the south-east corner of the yards at GR 560263?
12. 1: 2
13. 1: 5
14. 1: 7
15. 1: 10
16. To the nearest minute, what is the latitude and longitude of Cape Byron

(GR 624325)?

1. 28° 00′ S 153° 00′ E
2. 28° 32′ S 153° 32′ E
3. 28° 38′ S 153° 38′ E
4. 33° 00′ S 153° 62′ E
5. What is the approximate area of the lake in AR 5628?
6. 3 hectares
7. 12 hectares
8. 48 hectares
9. 196 hectares

Note: One hectare is 10 000 m2.

1. To walk southward from Cape Byron, along Tallow Beach, to the southern edge of the map, one would be moving at a compass bearing of between:
2. 10° and 20°.
3. 60° and 70°.
4. 120° and 140°.
5. 190° and 210°.

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1. Which of the following statements best describes the relationship between the distribution of built-up areas and the topography of the map area?
2. The majority of built-up areas are located on swamps and land subject to inundation.
3. The land with the steepest topography and the highest elevation tends to have the most built-up areas.
4. Built-up areas can mainly be found on gently undulating and lower lying topography.
5. There is no significant relationship between the distribution of built-up areas and the topography.

Refer to **Source 1:** Byron Bay topographic map - 2017 and **Source 2:** Byron Bay aerial photograph - 1958 to answer Questions 13 below.

1. Which of the following is true?
2. Source 1 is larger in scale than Source 2.
3. Source 2 is larger in scale than Source 1.
4. Both sources are the same in scale.
5. There is no way to compare the scales of the two sources.

Refer to **Source 1:** Byron Bay topographic map - 2017 and **Source 3:** Byron Bay oblique aerial photograph to answer Question 14 below.

1. In which direction was the camera facing to take the **Source 3** photograph?
2. north-east
3. north-west
4. south-east
5. south-west

Refer to **Source** **9:** Mobile phone subscriptions (per 100 people), 2017 to answer Questions 15 and 16.

1. Which world region had the lowest number of phone subscriptions per 100 people in 2017?
2. Africa
3. Middle East
4. South America
5. South-east Asia

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1. Which one of the following is a reasonable inference to make from **Source 9**?
2. There is a spatial association between high levels of mobile phone subscription and economic development.
3. Every person in Russia, Indonesia, South Africa must own a mobile phone and therefore be a global citizen.
4. Australia, Brazil, the United States and China have approximately the same total amount of mobile phone subscriptions.
5. There are no mobile phones in Greenland, possibly due to the lack of mobile data.

Refer to **Source 11:** Technology adoption in the US, 1950 – 2019 to answer Questions 17 and 18 below:

1. In what year did the adoption of computers overtake landline (telephones) for the first time?
2. 2000
3. 2005
4. 2010
5. 2015
6. The most rapid adoption of any technology in the US, decade by decade, from the 1960s to the 2010s, has been:
7. colour TV, colour TV, colour TV, cellular phone, cellular phone, tablet.
8. landline, colour TV, colour TV, cellular phone, computer, tablet.
9. radio, colour TV, colour TV, cellular phone, computer, tablet.
10. radio, radio, colour TV, cellular phone, computer, tablet.
11. A raw material, produced from primary industries such as agriculture, for the purpose of being bought or sold, can be referred to as a:
12. commodity.
13. good.
14. service.
15. all of the above.
16. Which of the following flows, typical of increased international integration, was most disrupted by the COVID-19 pandemic during 2020 and 2021?
17. capital and finance
18. media and communication
19. ideas and information
20. people and labour

**END OF SECTION ONE**

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**Section Two: Short response 40% (40 marks)**

This section has **12** questions. Answer **all** questions. Write your answers in the spaces provided.

Suggested working time: 70 minutes.

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Refer to **Source 1:** Byron Bay topographic map - 2017 to answer Questions 21 to 23.

**Question 21 (1 mark)**

Describe **one** characteristic of the site of the caravan park at GR 581322.

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**Question 22 (2 marks)**

Describe **two** characteristics of the situation of Byron Bay High School (AR 6028):

**Situation characteristic 1:**

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**Situation characteristic 2:**

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**Question 23 (6 marks)**

1. In the frame below draw a sketch map of the coastline within the area bounded by Eastings 60 and 63 and Northings 30 and 33.

(2 marks)

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(b) Locate and label by using an appropriate symbol or colour, the following features on your sketch. Complete the key below.

(4 marks)

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| 1. Cape Byron | 1. Perennial lake(s) |
| 1. Cliff(s) | 1. Built-up area(s) |

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Refer to **Source 1:** Byron Bay topographic map – 2017 and **Source 2** Byron Bay aerial photograph - 1958 to answer Question 24 below.

**Question 24 (2 marks)**

Locate and describe **one** example of a change in land use that can be observed in **Source 1** when compared to **Source 2**.

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Refer to **Source 1:** Byron Bay topographic map - 2017, **Source 2:** Byron Bay aerial photograph - 1958 and **Source 3:** Byron Bay oblique aerial photograph to answer Question 25 below.

**Question 25 (2 marks)**

Describe **two** pieces of source evidence that indicate this area may experience a high degree of tourism.

**Evidence 1:**

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| **Evidence 2:** |
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Refer to **Source 8:** Survey responses to the question: “What is globalisation?” to answer Question 26 below.

**Question 26 (6 marks)**

With reference to the concept of sustainability, explain how globalisation may lead to both positive **and** negative outcomes.

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Refer to **Source 9:** Mobile phone subscriptions (per 100 people), 2017 to answer Question 27 below.

**Question 27 (4 marks)**

With reference to **Source 9**, comment on the statement that *“some countries exhibit higher levels of international integration than others”*.

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Refer to **Source 10:** A diagram of time-space convergence to answer Question 28 below.

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**Question 28 (3 marks)**

With reference to **Source 10**, explain the concept of time-space convergence.

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**Question 29 (2 marks)**

Outline, with examples, the concept of world cities.

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Refer to **Source 11:** Technology adoption in the US, 1950-2019 to answer Question 30 below:

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**Question 30 (4 marks)**

Describe and account for the adoption curve of **one** form of technology during the time period shown.

**Form of technology:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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**Question 31 (4 marks)**

Identify **one** advancement in transport technology and **one** advancement in telecommunications technologies and explain how they have facilitated international integration over time.

**Selected advancement in transport:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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**Selected advancement in telecommunications:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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**Question 32 (4 marks)**

Explain how the process of adaptation has changed the nature of a commodity, good, **or** service in **one or more** locations around the world.

**Selected commodity, good or service:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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**END OF SECTION TWO**

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**Section Three: Extended response 40% (40 marks)**

Section Three consists of **two** parts, Part A: Unit 2 Depth Study 1 and Part B: Unit 2 Depth Study 2.

Part A: Unit 2 Depth Study 1 consists of Questions 33 and 34. Part B: Unit 2 Depth Study 2 consists of Questions 35 And 36.

Answer **one** question from Part A and **one** question from Part B.

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**PART A: Unit 2 Depth Study 1** Choose **either** Question 33 or Question 34

Indicate the question you will answer by ticking the box next to the question. Write your answer on pages 17-21 (or on the lined paper provided by your teacher/supervisor). When you have completed Part A: Unit 2 Depth Study 1, turn to page 22.

Suggested working time: 40 minutes.

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**Question 33 (20 marks)**

1. Describe the role played by advances either in transport or telecommunications in facilitating changes in the spatial distribution of a commodity, good **or** service.

(8 marks)

1. Explain the implications of changes in the nature **and** spatial distribution of a commodity, good or service for people, places **and/or** the biophysical environment.

(12 marks)

**OR**

**Question 34 (20 marks)**

1. Describe the role played by government and enterprises in the internationalisation of the production and consumption of a commodity, good **or** service.

(8 marks)

1. Explain the likely future changes in the nature **and** spatial distribution of the production and consumption of a commodity, good **or** service.

(12 marks)

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**PART B: Unit 2 Depth Study 2** Choose **either** Question 35 or Question 36

Indicate the question you will answer by ticking the box next to the question. Write your answer on the following pages (or on the lined paper provided by your teacher/supervisor).

Suggested working time: 40 minutes.

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**Question 35 (20 marks)**

(a) Describe the role played by media and emerging technologies in the generation and dispersion of an element of culture.

(8 marks)

(b) Discuss ways people embrace, adapt to, **and/or** resist the forces of international cultural integration, with reference to an element of culture you have studied.

(12 marks)

**OR**

**Question 36 (20 marks)**

1. Describe the implications of changes in the nature **and** spatial distribution of an element of culture for people and places at a range of scales.

(8 marks)

(b) Discuss the role of the media and new technologies in shaping people’s perceptions of place and events with respect to an element of culture.

(12 marks)

**END OF SECTION THREEE**

**End of questions**

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