

**JASPER WILLIAMS HIGH SCHOOL**  
**YEAR 12 ANNUAL EXAMINATION 2020**

**GEOGRAPHY**

**Time Allowed: 3 Hours**  
*(An extra 10 minutes is allowed for reading this paper.)*

**INSTRUCTIONS**

1. Write your **Index number** on the front page and inside the back flap of the Answer Booklet.
2. Answer **all** the questions with a blue **or** black ballpoint pen or ink pen. Do **not** use red ink. You may use a pencil **only** for drawing
3. Write **all** your answers in the **Answer Booklet** provided
4. There are two sections in this paper. **Both sections are compulsory. Note the options in essays for Section B.**

**SUMMARY OF QUESTIONS**

<b>SECTION</b>	<b>GUIDELINES</b>	<b>MARK</b>	<b>SUGGESTED TIME</b>
<b>A</b>	There is only <b>one</b> question in this section. Natural Hazards - Fiji and Monsoon Asia	32	70 minutes
<b>B</b>	There are <b>three</b> questions in this section:  Agriculture and Food Production – Fiji and New Zealand Tourism – Fiji and Australia Marine Resources – Fiji and Japan <b>Answer all the questions. Note the options for essays</b>	68	110 minutes
	<b>TOTAL</b>	<b>100</b>	<b>180 minutes</b>

Answer all parts of the question.

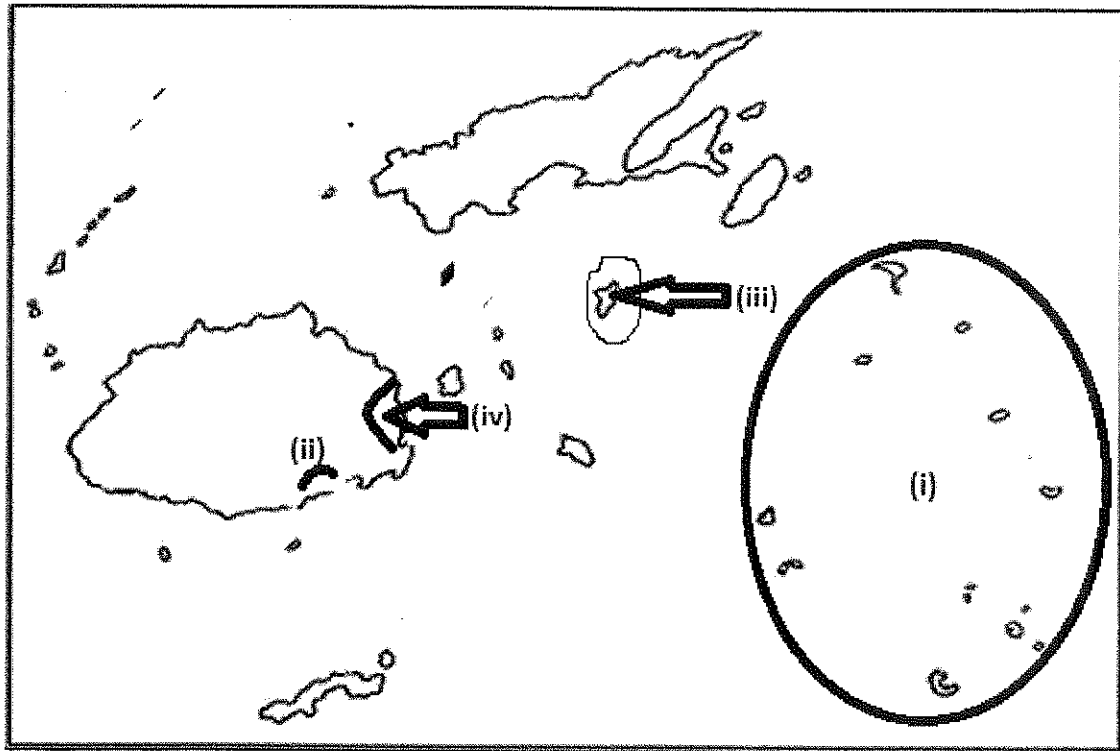
**QUESTION 1 NATURAL HAZARDS – FIJI AND MONSOON ASIA (32 marks)**

**A. Mapping**

**(4 marks)**

a) Use the map of Fiji below to identify the features marked (i) to (iv) that are described as follows:

- (i) This fresh water deficit island group
- (ii) A common disaster in this area
- (iii) A disaster other than cyclone that greatly affected this village
- (iv) The cyclone that affected this region in April 2020 (2 marks)

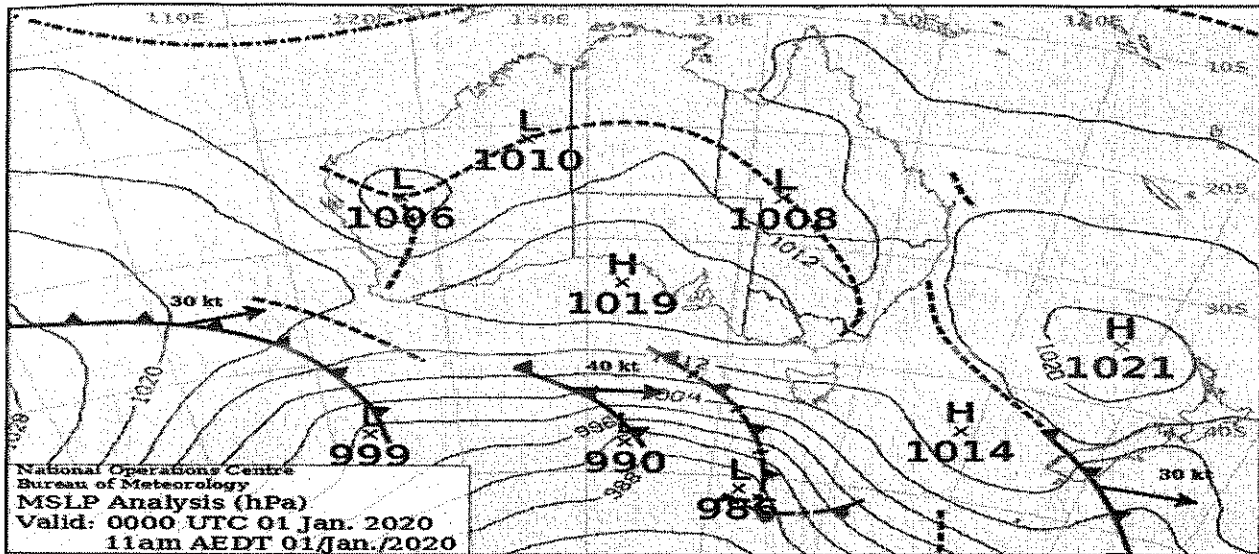


(b) On the outline map of Monsoon Asia in your Answer Book, locate and name:

- (i) A region where submarine earthquakes are common
- (ii) A city prone to cyclones and floods (2 marks)

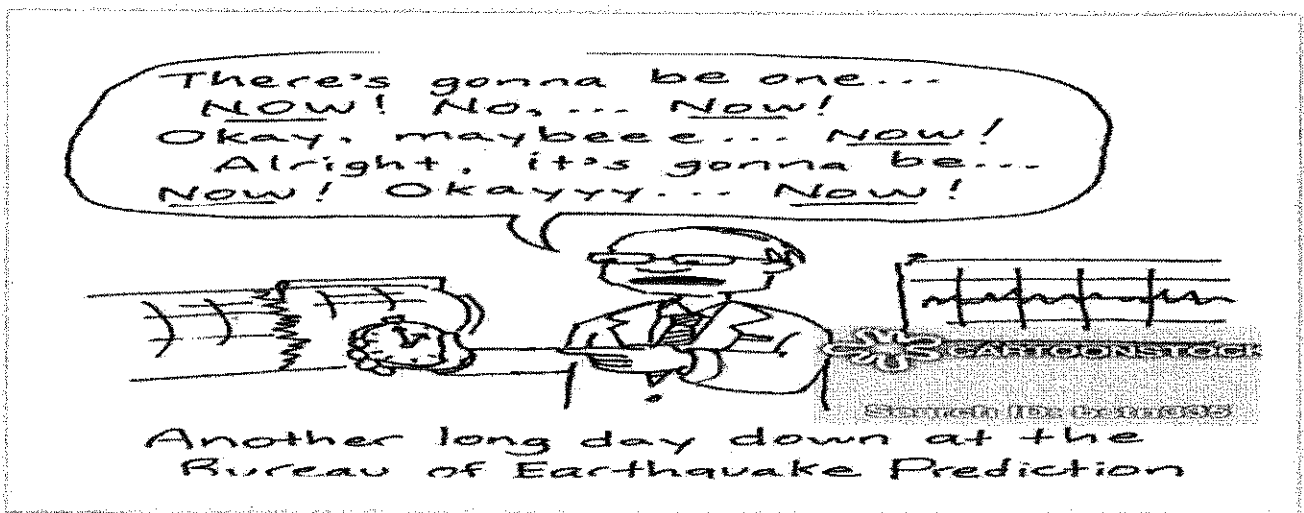
**B. Synoptic map****(6 Marks)**

Use the weather maps given and your knowledge to answer the questions that follow.



- (i) Describe the weather condition over New Zealand. (2 marks)
- (ii) Explain the type of weather approaching Tasmania. (2 marks)
- (iii) State the air pressure reading for Tasmania and Central North Island of New Zealand. (2 marks)
- C. Resource interpretation (2 marks)**

Use the resource given below to answer the questions that follow each resource.



Explain a traditional method of predicting earthquakes and its accuracy as compared to that shown above.

**D. Definitions**

Define clearly **any six** of the following terms:

**(6 marks)**

- |                    |                      |
|--------------------|----------------------|
| (i) Beaufort scale | (v) rehabilitation   |
| (ii) epicenter     | (vi) tectonic hazard |
| (iii) jet stream   | (vii) tephra         |
| (iv) levees        | (viii) typhoons      |

**E. Short answers**

**(4 marks)**

- (i) Explain what happens when a natural hazard becomes a disaster. (2 marks)
- (ii) Discuss how a nation's economy may determine the extent of impacts a natural disaster may have on the nation. (2 marks)

**F. Essay (Compulsory)**

**(10 marks)**

Write an essay of **180 – 200 words** on the given question.

With reference to Fiji or Monsoon Asia, describe four impacts of a tropical cyclone that occurred within the last five years, and two ways that the government and people helped in minimizing the effects.

**SECTION B**

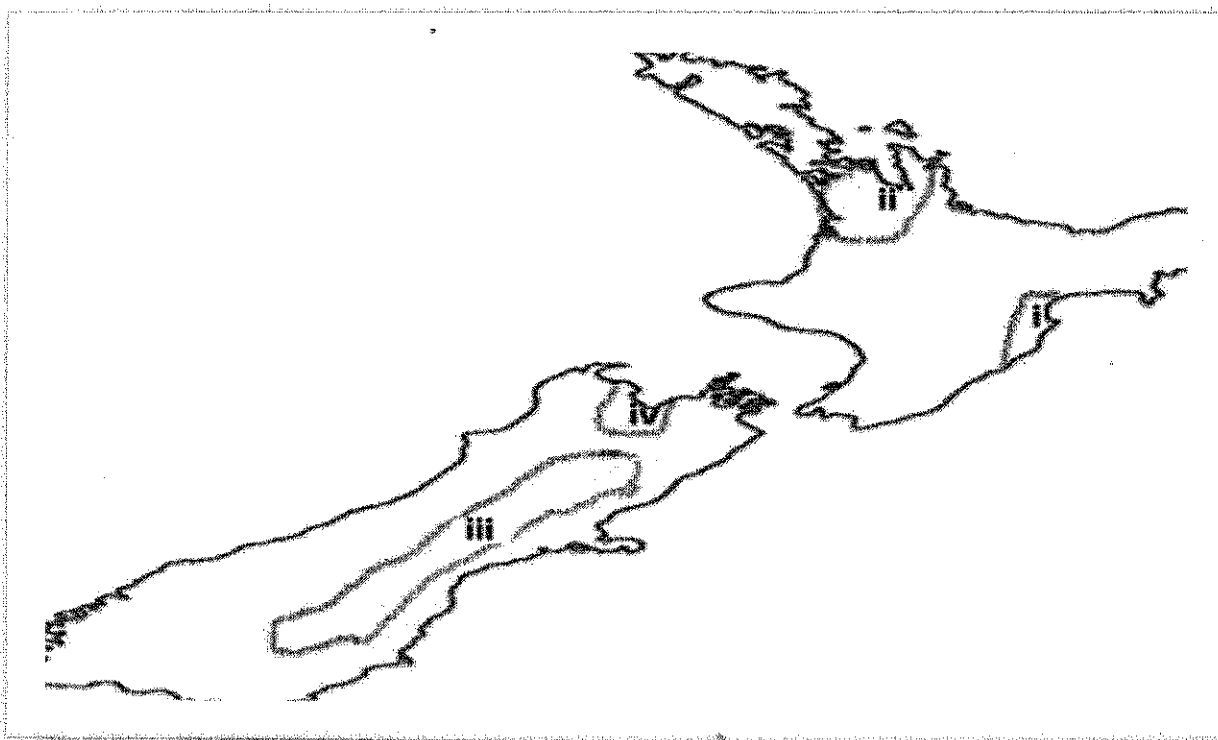
There are three questions in this section. Answer **all** questions **but** write **two** essays only from the three questions that are given.

**QUESTION 2      AGRICULTURE AND FOOD SUPPLY –  
FIJI AND NEW ZEALAND**

**(16 marks)****A.      Mapping****(4 marks)**

a)      Use the map of New Zealand given below to identify the features marked (i) to (iv) that are described as follows:

- (i)      The main yield from this area
- (ii)     The type of farming this region is known for
- (iii)    The type of farming common in this region
- (iv)    A factor that makes this place suitable for intensive farming

**(2 marks)**

(b)      On the outline map of Fiji in your Answer Book, locate and name:

- (i)      An area of Intensive grassland farming
- (ii)     A region of potato farming

**(2 marks)**

**B. Resource interpretation (2 marks)**

Use the resource given below to answer the questions that follow each resource.

**Extract**

The Ministry Of Agriculture aims to bring about a change that promotes demand driven approaches as an integrated objectives for all programs such as: i) enhance livelihoods of people in the rural areas and outer islands of Fiji; ii) ensure sustained and secure access to food, and; iii) enhance poverty reduction through appropriate programs. These include increase in market access opportunities and services that will provide needed benefit to rural communities in rural and outer islands.

Explain the importance of Government policies for food security as given above.

**C. Short answers (4 marks)**

- (i) State two importance of shelter belts in agriculture. (2 marks)
- (ii) Explain the costs and benefits of 'slash and burn' to the environment. (2 marks)

**D. Definitions**

Define clearly **any six** of the following terms: (6 marks)

- |                             |                        |
|-----------------------------|------------------------|
| (i) aerial topdressing      | (v) rotational grazing |
| (ii) appropriate technology | (vi) smudge pots       |
| (iii) fallow                | (vii) silage           |
| (iv) humification           | (viii) silvo pasture   |

**E. Essay (Choose either this essay and another from questions 3 and 4) (10 marks)**

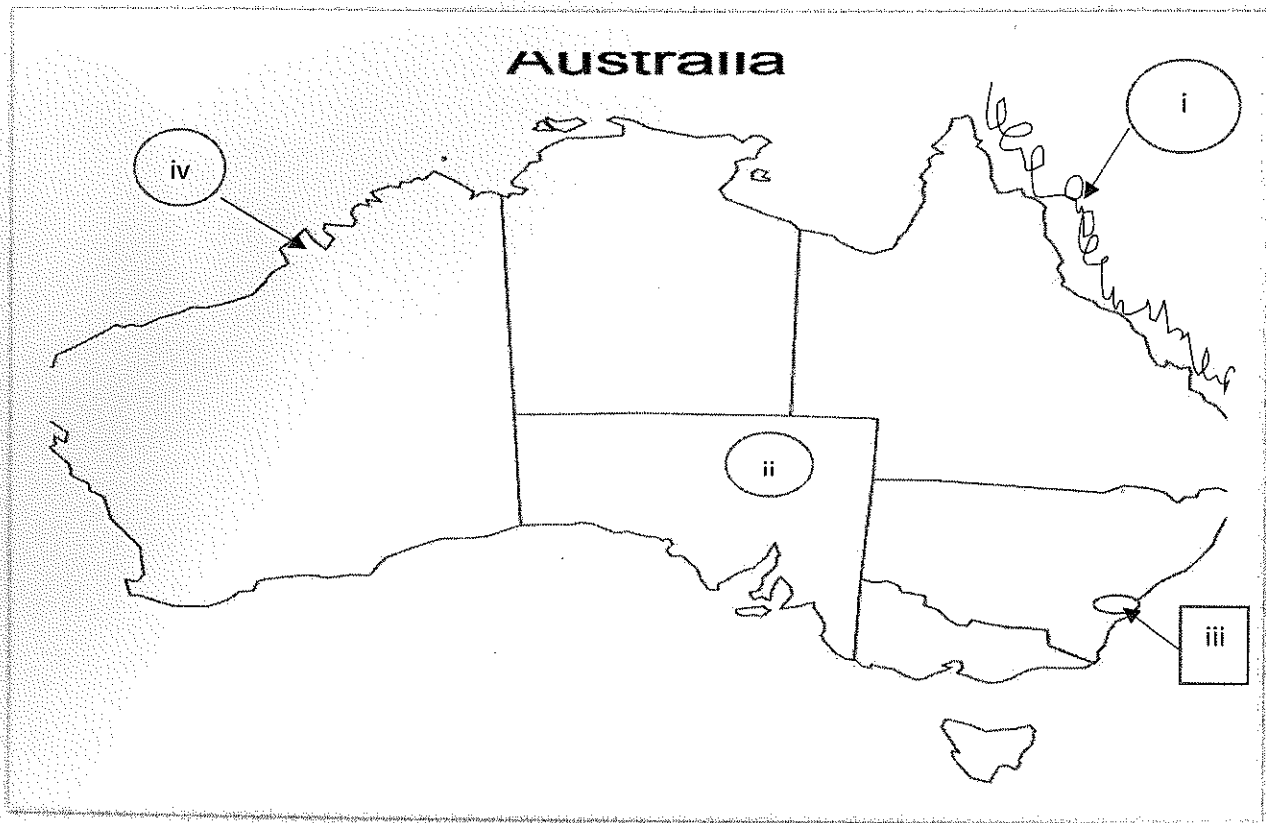
Write an essay of **180 – 200 words** on the given question.

With reference to Fiji or New Zealand, explain the nature of a farm type and describe two management practices carried out, with their socio-economic importance to the farmer.

**QUESTION 3      TOURISM – FIJI AND AUSTRALIA****(16 marks)****A.      Mapping****(4 marks)**

a)      Use the map of Australia below to identify the features marked (i) to (iv) that are described as follows:

- (i)      The world's largest coral reef
- (ii)     This opal mining town
- (iii)    A physical attraction in this city
- (iv)     This cultural attraction

**(2 marks)**

(b)      On the outline map of Fiji in your Answer Book, locate and name:

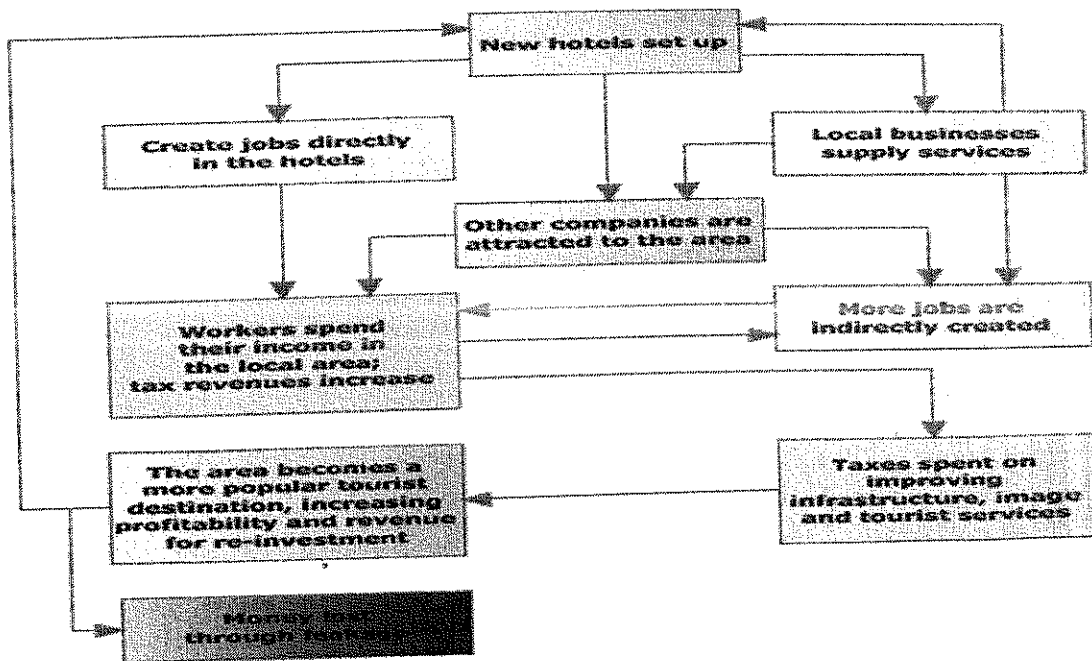
- (i)      The first known hotel in the Central Division
- (ii)     A known natural attraction in Nadroga

**(2 marks)**

**B. RESOURCE INTERPRETATION**

(2 marks)

Use the resource given below to answer the questions that follow each resource.



Explain a positive and a negative contribution of the multiplier effect on the people.

**C. SHORT ANSWERS**

(4 marks)

- (i) Explain two importance of the tourism industry in preserving local culture. (2 marks)
- (ii) **“Tourism is an unreliable export”**  
Justify the above statement with reference to COVID 19. (2 marks)

**D. DEFINITIONS**

Define clearly any six of the following terms:

(6 marks)

- |                    |                            |
|--------------------|----------------------------|
| (i) backpacker     | (v) peak season            |
| (ii) ecotourism    | (vi) package tour          |
| (iii) gateway city | (vii) target group         |
| (iv) honeypot site | (viii) World Heritage Site |

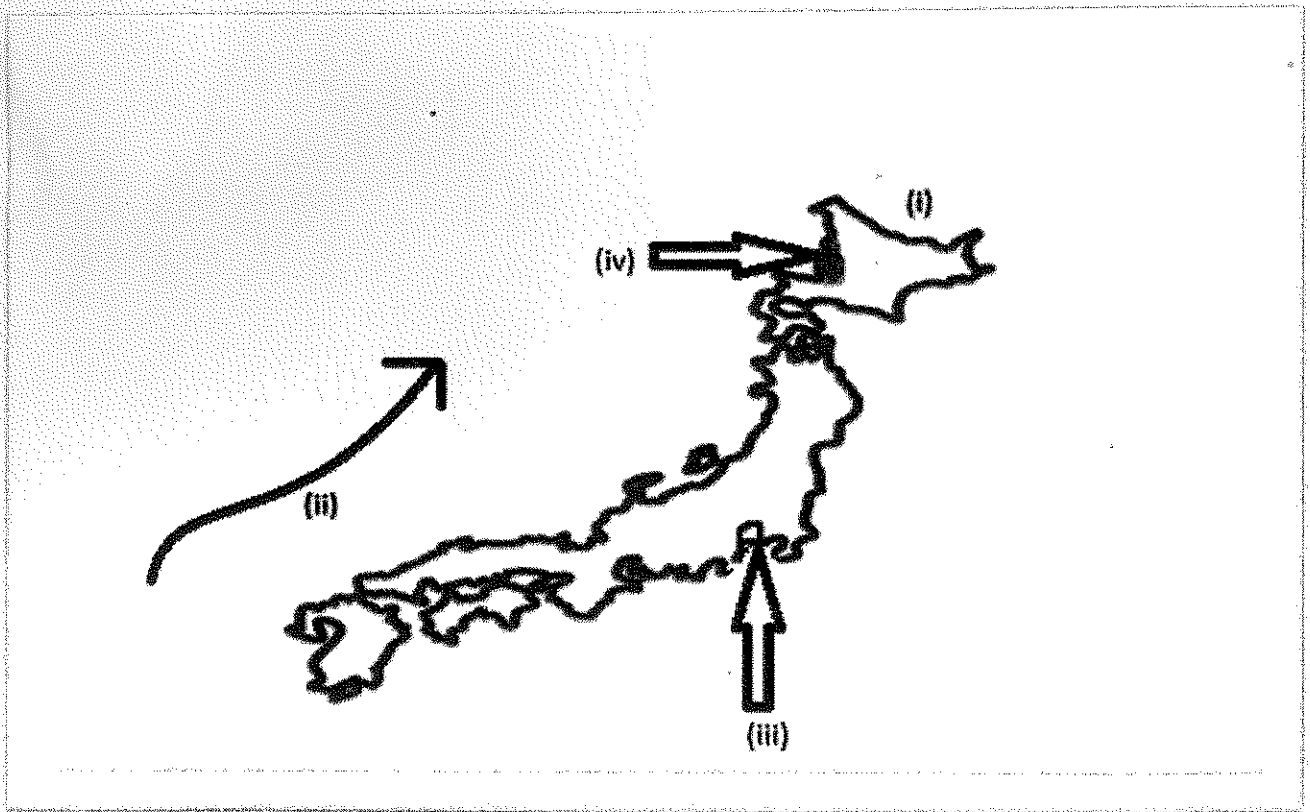
- E. ESSAY (Choose either this essay and another from questions 2 and 4) (10 marks)**  
With reference to Fiji or Australia, discuss **two** problems caused and **two** problems faced by the tourism industry with measures taken to solve these issues.



**Question 4 MARINE RESOURCES – FIJI AND JAPAN****(16 marks)****A. Mapping****(4 marks)**

a) Use the map of Japan give below to identify the features marked (i) to (iv) that are described as follows:

- (i) This sea
- (ii) This current
- (iii) Japan's largest fish market
- (iv) The headquarters of The Fisheries Research Agency

**(2 marks)**

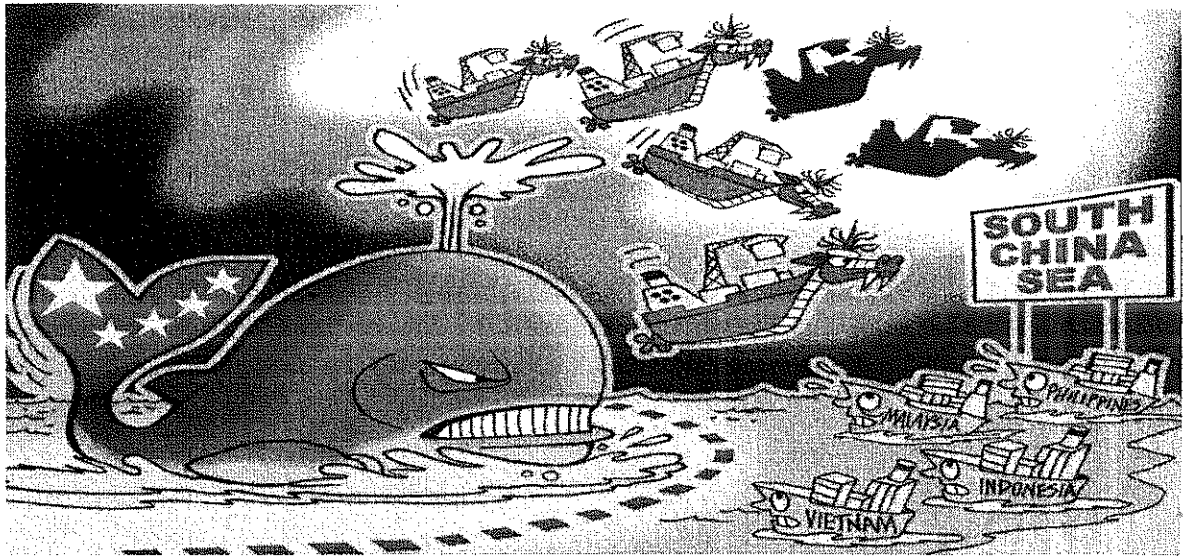
(b) On the outline map of Fiji in your Answer Book, locate and name:

- (i) An area of Pearl farming
- (ii) A region of mangrove planting and conservation

**(2 marks)**

**B. RESOURCE INTERPRETATION****(2 marks)**

Use the resource given below to answer the questions that follow each resource.

**SOUTH CHINA EEZ**

Explain the message portrayed in the cartoon about China's Exclusive Economic Zone.

**C. SHORT ANSWERS****(4 marks)**

- (i) State two effects of climate change on marine resources. **(2 marks)**  
 (ii) Discuss an unsustainable fishing method. **(2 marks)**

**D. DEFINITIONS**

Define clearly **any six** of the following terms:

**(6 marks)**

- |                        |                      |
|------------------------|----------------------|
| (i) archipelago        | (v) upwelling        |
| (ii) artisanal fishing | (vi) pelagic species |
| (iii) barrier reef     | (vii) quota          |
| (iv) contiguous zone   | (viii) spawning      |

**E. ESSAY (Choose either this essay and another from questions 2 and 3) (10 marks)**

With reference to Fiji or Japan, discuss the two of its importance of a marine ecosystem, two activities by humans that have led to the exploitation of such an ecosystem and measures taken to protect this ecosystem.