

MARKER CODE			



Student Personal Identification Number (SPIN)					

TONGA GOVERNMENT
MINISTRY OF EDUCATION AND TRAINING

Tonga National Form Seven Certificate

GEOGRAPHY

2015

QUESTION and ANSWER BOOKLET

Time allowed: Three Hours

INSTRUCTIONS

1. Write your **Student Personal Identification Number (SPIN)** in the space provided on the top right hand corner of this page.
2. Answer ALL QUESTIONS. Write your answers in the spaces provided in this booklet.
3. If you need more space for answers, ask the Supervisor for extra paper. Write your SPIN on all extra sheets used and clearly number the questions. Attach the extra sheets at the appropriate places in this booklet.

	Pages	Time (mins)	Total
SECTION A: Natural Processes	2 - 12	54	30
SECTION B: Cultural Process	13 - 23	54	30
SECTION C: Geographic Skills & Ideas	23 - 30	72	40
TOTAL	31 pages	180 min	100 marks

Check that this booklet contains pages 2-31 in the correct order and that none of these pages is blank.
You should also have a 7 pages **Resource Booklet (106/2)** with this exam paper.

YOU MUST HAND IN THIS BOOKLET TO THE SUPERVISOR AT THE END OF THE EXAMINATION

SECTION A: NATURAL PROCESSES**TOTAL: 30 Marks**

During your **Form Seven Certificate** course, you have studied a geographic environment in the Pacific, focusing on interacting natural processes within it.

N.B: The information that is provided on this page is important for the questions that are to follow in **Section A** and should therefore be completed carefully and accurately.

In the frame below, **name the geographic environment** and the **interacting natural processes** that you have studied and will use to answer the questions in this section.

The name of the Pacific geographic environment studied:

--

The interacting natural processes operating within this geographic environment:

--

1. Identify the elements of TWO interacting natural processes that operate in the chosen geographic environment.

Natural process 1: _____

Elements: _____

Natural process 2: _____

Elements: _____

Skill level 1	
1	
0	
NR	

Skill level 1	
1	
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- 2.a. Describe the interactions between **Natural process 1** and **Natural process 2** in number 1 above.
You may illustrate with labeled diagrams.

Skill level 2	
2	
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Case No.	Case Name	Case Type	Case Status	Case Date	Case Location	Case Description	Case Details	Case Notes	Case Comments	Case Actions
1	John Doe	Case 1	Open	2023-01-01	New York	Case 1 Description	Case 1 Details	Case 1 Notes	Case 1 Comments	Case 1 Actions
2	Jane Smith	Case 2	Closed	2023-01-02	California	Case 2 Description	Case 2 Details	Case 2 Notes	Case 2 Comments	Case 2 Actions
3	Bob Johnson	Case 3	Pending	2023-01-03	Texas	Case 3 Description	Case 3 Details	Case 3 Notes	Case 3 Comments	Case 3 Actions
4	Alice Brown	Case 4	Open	2023-01-04	Florida	Case 4 Description	Case 4 Details	Case 4 Notes	Case 4 Comments	Case 4 Actions
5	Charlie Davis	Case 5	Closed	2023-01-05	Illinois	Case 5 Description	Case 5 Details	Case 5 Notes	Case 5 Comments	Case 5 Actions
6	Diana Prince	Case 6	Pending	2023-01-06	Washington	Case 6 Description	Case 6 Details	Case 6 Notes	Case 6 Comments	Case 6 Actions
7	Edward Norton	Case 7	Open	2023-01-07	Massachusetts	Case 7 Description	Case 7 Details	Case 7 Notes	Case 7 Comments	Case 7 Actions
8	Fiona Glenanne	Case 8	Closed	2023-01-08	Ontario	Case 8 Description	Case 8 Details	Case 8 Notes	Case 8 Comments	Case 8 Actions
9	George Clooney	Case 9	Pending	2023-01-09	California	Case 9 Description	Case 9 Details	Case 9 Notes	Case 9 Comments	Case 9 Actions
10	Helen Mirren	Case 10	Open	2023-01-10	London	Case 10 Description	Case 10 Details	Case 10 Notes	Case 10 Comments	Case 10 Actions
11	Ian McKellen	Case 11	Closed	2023-01-11	Edinburgh	Case 11 Description	Case 11 Details	Case 11 Notes	Case 11 Comments	Case 11 Actions
12	Jennifer Lawrence	Case 12	Pending	2023-01-12	Indiana	Case 12 Description	Case 12 Details	Case 12 Notes	Case 12 Comments	Case 12 Actions
13	Keanu Reeves	Case 13	Open	2023-01-13	Ontario	Case 13 Description	Case 13 Details	Case 13 Notes	Case 13 Comments	Case 13 Actions
14	Liam Neeson	Case 14	Closed	2023-01-14	Ireland	Case 14 Description	Case 14 Details	Case 14 Notes	Case 14 Comments	Case 14 Actions
15	Mel Gibson	Case 15	Pending	2023-01-15	California	Case 15 Description	Case 15 Details	Case 15 Notes	Case 15 Comments	Case 15 Actions
16	Nicole Kidman	Case 16	Open	2023-01-16	Western Australia	Case 16 Description	Case 16 Details	Case 16 Notes	Case 16 Comments	Case 16 Actions
17	Orlando Bloom	Case 17	Closed	2023-01-17	London	Case 17 Description	Case 17 Details	Case 17 Notes	Case 17 Comments	Case 17 Actions
18	Peter Dinklage	Case 18	Pending	2023-01-18	California	Case 18 Description	Case 18 Details	Case 18 Notes	Case 18 Comments	Case 18 Actions
19	Quentin Tarantino	Case 19	Open	2023-01-19	California	Case 19 Description	Case 19 Details	Case 19 Notes	Case 19 Comments	Case 19 Actions
20	Rachel Watson	Case 20	Closed	2023-01-20	London	Case 20 Description	Case 20 Details	Case 20 Notes	Case 20 Comments	Case 20 Actions
21	Samuel L. Jackson	Case 21	Pending	2023-01-21	California	Case 21 Description	Case 21 Details	Case 21 Notes	Case 21 Comments	Case 21 Actions
22	Tina Turner	Case 22	Open	2023-01-22	Ohio	Case 22 Description	Case 22 Details	Case 22 Notes	Case 22 Comments	Case 22 Actions
23	Uma Thurman	Case 23	Closed	2023-01-23	California	Case 23 Description	Case 23 Details	Case 23 Notes	Case 23 Comments	Case 23 Actions
24	Viola Davis	Case 24	Pending	2023-01-24	California	Case 24 Description	Case 24 Details	Case 24 Notes	Case 24 Comments	Case 24 Actions
25	Wesley Snipes	Case 25	Open	2023-01-25	California	Case 25 Description	Case 25 Details	Case 25 Notes	Case 25 Comments	Case 25 Actions
26	Xosha Roquemore	Case 26	Closed	2023-01-26	California	Case 26 Description	Case 26 Details	Case 26 Notes	Case 26 Comments	Case 26 Actions
27	Yvonne Strainopoulos	Case 27	Pending	2023-01-27	California	Case 27 Description	Case 27 Details	Case 27 Notes	Case 27 Comments	Case 27 Actions
28	Zoe Lister-Jones	Case 28	Open	2023-01-28	California	Case 28 Description	Case 28 Details	Case 28 Notes	Case 28 Comments	Case 28 Actions
29	Adam Sandler	Case 29	Closed	2023-01-29	California	Case 29 Description	Case 29 Details	Case 29 Notes	Case 29 Comments	Case 29 Actions
30	Ben Stiller	Case 30	Pending	2023-01-30	California	Case 30 Description	Case 30 Details	Case 30 Notes	Case 30 Comments	Case 30 Actions
31	Cameron Diaz	Case 31	Open	2023-01-31	California	Case 31 Description	Case 31 Details	Case 31 Notes	Case 31 Comments	Case 31 Actions
32	Drew Barrymore	Case 32	Closed	2023-02-01	California	Case 32 Description	Case 32 Details	Case 32 Notes	Case 32 Comments	Case 32 Actions
33	Ewan McGregor	Case 33	Pending	2023-02-02	Scotland	Case 33 Description	Case 33 Details	Case 33 Notes	Case 33 Comments	Case 33 Actions
34	Faye Dunaway	Case 34	Open	2023-02-03	California	Case 34 Description	Case 34 Details	Case 34 Notes	Case 34 Comments	Case 34 Actions
35	Gary Oldman	Case 35	Closed	2023-02-04	London	Case 35 Description	Case 35 Details	Case 35 Notes	Case 35 Comments	Case 35 Actions
36	Halle Berry	Case 36	Pending	2023-02-05	California	Case 36 Description	Case 36 Details	Case 36 Notes	Case 36 Comments	Case 36 Actions
37	Ian Somerhalder	Case 37	Open	2023-02-06	California	Case 37 Description	Case 37 Details	Case 37 Notes	Case 37 Comments	Case 37 Actions
38	Jessie J	Case 38	Closed	2023-02-07	London	Case 38 Description	Case 38 Details	Case 38 Notes	Case 38 Comments	Case 38 Actions
39	Keanu Reeves	Case 39	Pending	2023-02-08						

Skill level 4	
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3.a. Describe how TWO natural processes (which maybe at different rates and scales) operate in the chosen geographic environment. Illustrate clearly with labelled diagrams.

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Skill level 2	
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- b. Compare and contrast the operation of the TWO natural processes in 3.a. above at the chosen geographic environment. Illustrate clearly with labelled diagrams.

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Skill level 3	
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4.a. Define temporal variation.

Skill level 1	
1	
0	
NR	

b. Describe the reasons for the local spatial and/or temporal variations in the operation of ONE natural process at the chosen geographic environment. You may illustrate your answer with labeled diagrams.

Skill level 2	
2	
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- 5a. Construct a sketch map of the chosen geographic environment. **Locate** and **name** FOUR different natural features found there. Use an appropriate title.

Title: _____

Key

Skill level 1	i	ii	iii	iv
1				
0				
NR				

b. Analyse how TWO of the located natural features (5a) were formed.

[illegible][illegible]

Skill level 3	
3	
2	
1	
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NR	

- [illegible]

[illegible]

Skill level 3	
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6. Assess to what extent have natural processes been modified by human actions in the chosen geographic environment. You may use labeled diagram(s) to illustrate your answer.

[illegible]



Skill level 4	
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SECTION B: A CULTURAL PROCESS**TOTAL: 30 Marks**

During your **Form Seven Certificate** course you have studied a cultural process using illustrative examples from **two** settings: one from a **Pacific Island nation**, the other from the rest of the **World**.

N.B: The information that is provided on this page is important for the questions that are to follow in **Section B** and should therefore be completed carefully and accurately.

In the frame below, **name the cultural process** that you have studied and will use to answer the questions in this section.

The name of the cultural process:

--

In the frames below, **name** the **Pacific Island nation setting** and the **Rest of the world setting** that you have studied and will use to answer the questions in this Section.

The name of the Pacific Island nation setting:

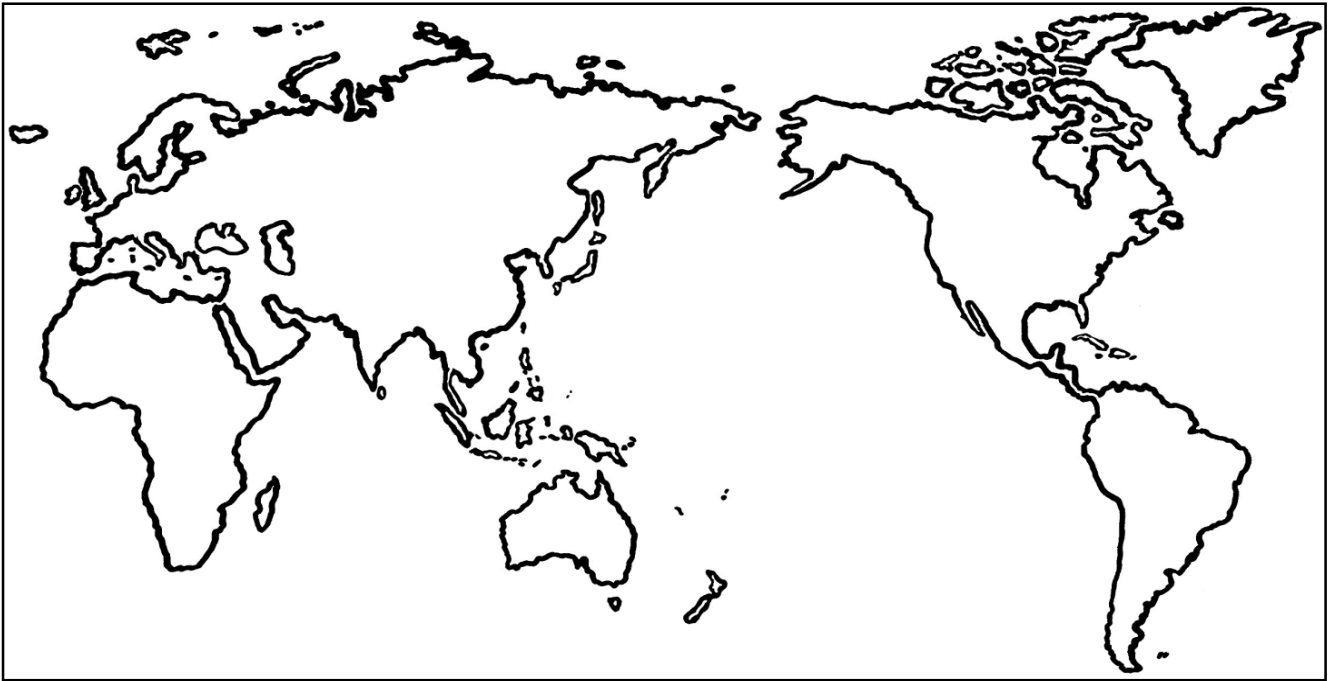
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The Rest of the World setting:

--

1. On the map below, **locate** and **name** your Pacific Island and the rest of the World setting that you used as your geographic environment for this section.

Title: _____



KEY:

Skill level 1	i	ii
1		
0		
NR		

2. Describe TWO elements of the chosen cultural process in the Pacific Island setting.

Skill level 2	
2	
1	
0	
NR	

3. Use the outline provided below to draw a sketch map of your rest of the world setting with an appropriate title. **Locate** and **name** ONE;

- natural attraction
- historical attraction
- economic element
- social element

Title: _____

KEY

Skill level 1	i	ii	iii	iv	v
1					
0					
NR					

[illegible]

Case No. _____	
Date _____	
Patient Name _____	
Room No. _____	
Physician _____	
Nurse _____	
Attending _____	
Resident _____	
Fellow _____	
Intern _____	
Student _____	
Other _____	
History of Present Illness _____	
Past Medical History _____	
Social History _____	
Family History _____	
Review of Systems _____	
Physical Examination _____	
Laboratory Studies _____	
Imaging Studies _____	
Pathology _____	
Microbiology _____	
Genetics _____	
Nutrition _____	
Pain Management _____	
Mental Health _____	
End of Life Care _____	
Other _____	

Skill level 3	
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[illegible]

Skill level 3	
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6a. Describe the spatial and/or temporal variations found in the operation of the chosen cultural process within your Pacific Island setting. Illustrate with named examples.

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7. Assess TWO factors that have brought about changes in the chosen cultural process of the Pacific Island setting. Use labelled diagrams to support your answer.

This image shows a blank sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

Case No.	Case Name	Case Type	Case Status	Case Date	Case Time	Case Location	Case Description	Case Notes	Case Comments
1	John Doe	Medical	Open	2023-01-01	10:00	Room 101	John Doe, 45 years old, male, presented with chest pain and shortness of breath. Vital signs: BP 120/80, HR 90, RR 20, SpO2 98%.	ECG: Sinus tachycardia. CXR: Clear lungs. Bloodwork: Troponin I 0.02, Creatinine 1.2.	Admitted to the medical ward for further observation and treatment.
2	Jane Smith	Medical	Closed	2023-01-02	14:30	Room 202	Jane Smith, 60 years old, female, presented with abdominal pain and nausea. Vital signs: BP 110/70, HR 75, RR 18, SpO2 96%.	ECG: Normal. CXR: No free air. Bloodwork: Amylase 120, Lipase 150.	Discharged home with pain management and follow-up in 2 weeks.
3	Michael Brown	Medical	Open	2023-01-03	08:15	Room 303	Michael Brown, 30 years old, male, presented with severe headache and vomiting. Vital signs: BP 130/90, HR 100, RR 22, SpO2 97%.	ECG: Sinus tachycardia. CXR: No abnormalities. Bloodwork: Normal.	Admitted to the medical ward for further observation and treatment.
4	Sarah Johnson	Medical	Closed	2023-01-04	16:45	Room 404	Sarah Johnson, 55 years old, female, presented with dizziness and lightheadedness. Vital signs: BP 100/60, HR 60, RR 16, SpO2 95%.	ECG: Sinus bradycardia. CXR: No abnormalities. Bloodwork: Normal.	Discharged home with advice to increase fluid intake and follow-up in 1 week.
5	David Wilson	Medical	Open	2023-01-05	09:30	Room 505	David Wilson, 70 years old, male, presented with confusion and memory loss. Vital signs: BP 140/100, HR 85, RR 20, SpO2 98%.	ECG: Normal. CXR: No abnormalities. Bloodwork: Normal.	Admitted to the medical ward for further observation and treatment.
6	Emily Davis	Medical	Closed	2023-01-06	11:00	Room 606	Emily Davis, 25 years old, female, presented with fever and cough. Vital signs: BP 115/75, HR 95, RR 20, SpO2 97%.	ECG: Normal. CXR: Consolidation in the right lung. Bloodwork: WBC 12,000, CRP 10.	Discharged home with antibiotics and follow-up in 1 week.
7	Robert Miller	Medical	Open	2023-01-07	13:15	Room 707	Robert Miller, 65 years old, male, presented with chest pain and sweating. Vital signs: BP 150/100, HR 110, RR 24, SpO2 96%.	ECG: ST-segment elevation. CXR: No abnormalities. Bloodwork: Troponin I 0.15, Creatinine 1.5.	Admitted to the medical ward for further observation and treatment.
8	Lisa Anderson	Medical	Closed	2023-01-08	15:30	Room 808	Lisa Anderson, 40 years old, female, presented with abdominal pain and diarrhea. Vital signs: BP 120/80, HR 80, RR 18, SpO2 98%.	ECG: Normal. CXR: No abnormalities. Bloodwork: Normal.	Discharged home with pain management and follow-up in 1 week.
9	James Taylor	Medical	Open	2023-01-09	07:45	Room 909	James Taylor, 50 years old, male, presented with severe back pain and numbness. Vital signs: BP 135/95, HR 90, RR 20, SpO2 97%.	ECG: Normal. CXR: No abnormalities. Bloodwork: Normal.	Admitted to the medical ward for further observation and treatment.
10	Amanda White	Medical	Closed	2023-01-10	12:00	Room 1010	Amanda White, 35 years old, female, presented with fever and sore throat. Vital signs: BP 110/70, HR 85, RR 18, SpO2 98%.	ECG: Normal. CXR: No abnormalities. Bloodwork: WBC 11,000, CRP 8.	Discharged home with antibiotics and follow-up in 1 week.

Skill level 4	
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8. Assess the impact of the chosen cultural process on the environment of the Pacific Island setting.

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Skill level 4	
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SECTION C: GEOGRAPHIC SKILLLS AND IDEAS TOTAL: 40 Marks

Complete ALL task in this section.

These tasks are based on the information provided in the separate **Resource Booklet (No.106/2)** and test your ability to apply geographic skills and ideas.

The tasks in this Section have been designed so that you can analyse the resources provided and gather information on the issue of Tropical Cyclone in Tonga Islands.

Task 1: Origin of Tropical Cyclone

Study **Resource 1** then answer the questions that follow.

- a. State the latitudes where cyclones for India originate at according to **Resource 1**.

Skill level 1	
1	
0	
NR	

- b. Describe the distribution pattern of cyclones in the world shown by **Resource 1**.

Skill level 1	
1	
0	
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- c. Construct a % bar graph on the outline below to show the % of tropical cyclone occurrences by area as shown by **Resource 1**. Use appropriate title for your graph.

Title: _____

Skill level 2	
2	
1	
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Task 2: Cross-section of Tropical Cyclone

Study **Resource 2** then answer the questions that follow.

- a. Describe the interactions occurring in the **eye** of the cyclone shown in **Resource 2**.

Skill level 2	
2	
1	
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NR	

- b. State ONE characteristic of the eyewall shown in **Resource 2**.

Skill level 1	
1	
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Task 3: Cyclone Ian over Tonga Islands

Study **Resources 3a.** and **b.** then answer the questions that follow.

- a. Choose the cross-section below that shows the direction of Cyclone Ian's movement according to **Resource 3a**. Write your answer in the space below.

i. Direction of wind movement

ii. Direction of wind movement

Choice: _____

Skill level 3	
3	
2	
1	
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- b. With reference to **Resource 3b.**, state the location of Cyclone Ian (latitude and longitude) at 1am Friday.

Latitude: _____

Longitude _____

Skill level 1	
1	
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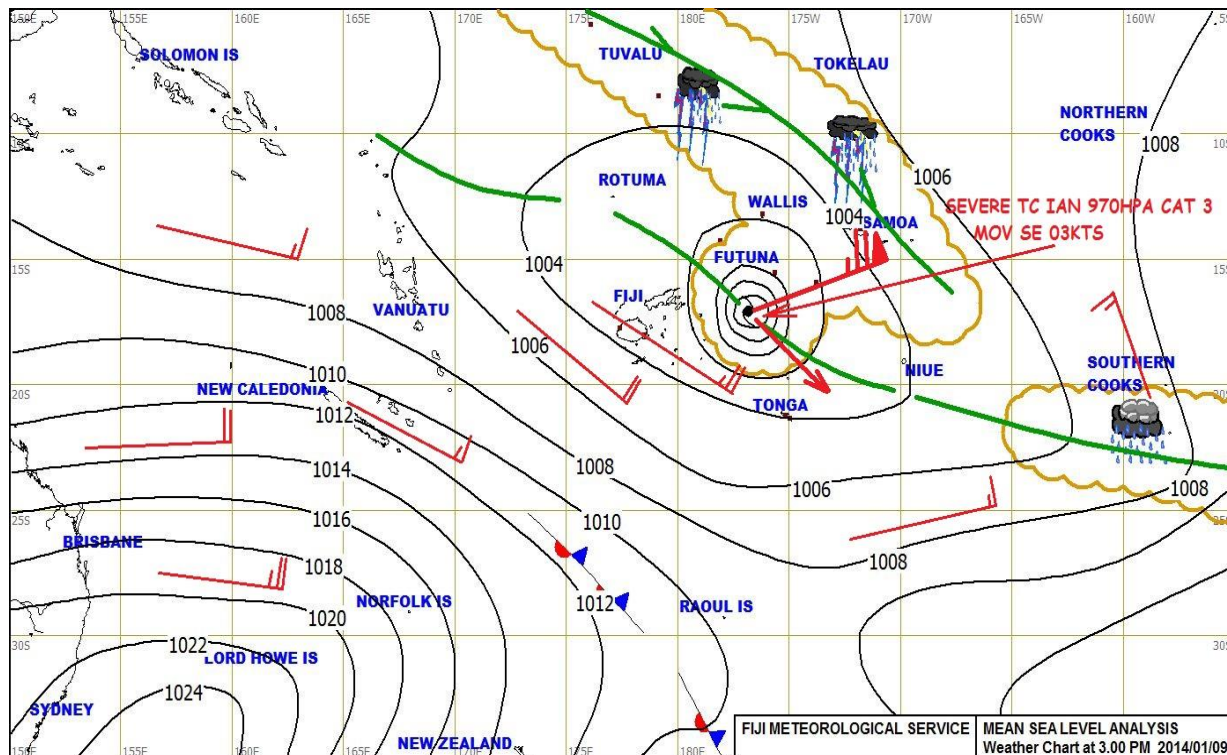
- c. Describe the strength of Cyclone Ian between 1am Saturday and 1am Sunday.

Skill level 2	
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Task 4: Features of Cyclone Ian

Study **Resources 4**. then answer the questions that follow.

- a. Draw an **arrow** (→) to show wind movement during a cyclone.



Skill level 3	
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- b. Analyse the climate features of Tonga during Cyclone Ian as shown in **Resource 4**.

Skill level 3	
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Task 5: Impact of Cyclone Ian on People and Environment

Study **Resources 5a.** and **b.** then answer the questions that follow.

- a. Compare and contrast **Resources 5a.** and **b.** based on where the photographer stood from, features shown by the two photos and purpose of each type of photo.

Skill level 3	
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- b. On the précis sketch of **Resource 5b** outline below, **locate** and **label**
- TWO different cultural features damaged by Cyclone Ian
 - ONE natural feature on the foreground

Precis Sketch

[illegible]

Skill level 2	
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- c. Evaluate the strength of Cyclone Ian shown by **Resources 5a** and **b**.

[illegible]

Skill level 4	
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Task 6: Occurrence of Tropical cyclones in Tonga

Study **Resource 6** then answer the questions that follow.

- a. With reference to **Resource 6**, draw an appropriate graph to show the trend for cyclone occurrence in Tonga. Use the appropriate title and key.

Title: _____

Skill level 3	
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Task 7: Disaster Relief and Management Plan

Study **Resources 7a., b. and c.** then answer the questions that follow.

- a. Classify **Resources 7a, b & c** into Before, During and After categories.

Before: _____

During: _____

After: _____

Skill level 1	
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Skill level 4	
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- [illegible]

Skill level 4	
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Student Personal Identification Number (SPIN)					

Tonga National Form Seven 2015

GEOGRAPHY

(FOR MARKER'S USE ONLY)

	SECTIONS	MARK			CHECK MARK
A	Natural Processes				30
B	Cultural Processes				30
C	GEOGRAPHIC SKILLS, CONCEPTS & IDEAS	<i>T.1</i>	4		40
		<i>T.2</i>	3		
		<i>T.3</i>	6		
		<i>T.4</i>	6		
		<i>T.5</i>	9		
		<i>T.6</i>	3		
		<i>T.7</i>	9		
	TOTAL				100