TONGA GOVERNMENT
MINISTRY OF EDUCATION AND TRAINING

TONGA FORM SIX CERTIFICATE
2015

DEVELOPMENT STUDIES

QUESTION AND ANSWER BOOKLET

Time Allowed: 3 Hours plus 10 minutes reading

INSTRUCTIONS
1. Write ALL your answers in this Booklet.
2. Write your Student Personal Identification Number (SPIN) on the top right hand corner of this page and on page 23.
3. This paper is in EIGHT questions.

Question 1: WORLD MAP. 5 Marks
Question 2: CARTOON. 5 Marks
Question 3: WHAT IS DEVELOPMENT. 15 Marks
Question 4: PRIMARY PRODUCTION & AGRICULTURE. 15 Marks
Question 5: SECONDARY, TERTIARY, QUARTERNARY PRODUCTION. 15 Marks
Question 6: INTERNATIONAL AID. 15 Marks
Question 7: ENVIRONMENTAL SECURITY. 15 Marks
Question 8: SOCIAL ISSUES. 15 Marks

TOTAL 100 MARKS

4. Extra paper is available from the supervisor if needed. Write your SPIN on each sheet, write the number of the question clearly then insert with the question to which it refer to.
5. Check that this booklet contains pages 2 - 23 in the correct order. Pages 21-22 has been deliberately left blank.

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

TOTAL MARKS

100
QUESTION 1: WORLD MAP (5 MARKS)

Locate on the map, Figure 1, using the letter for the country that best suits each description given below.

**Figure 1: WORLD MAP**

<table>
<thead>
<tr>
<th>Descriptions</th>
<th>A.</th>
<th>B.</th>
<th>C.</th>
<th>D.</th>
<th>E.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Member country of the Asian-Pacific Economic Cooperation (APEC).</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>World’s largest petroleum producer.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Newly Industrialised Country (NIC) in Asia.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pacific Island that is most vulnerable to natural disasters.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pacific Island with the highest premature deaths from NCD (non-communicable disease).</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>5 marks</th>
<th>A.</th>
<th>B.</th>
<th>C.</th>
<th>D.</th>
<th>E.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NR</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Q.1 5
QUESTION 2: CARTOON INTERPRETATION (5 MARKS)

Study Figure 2 and answer the questions that follow.

1. State the message of the cartoon in Figure 2.

_____________________________________________________________________
_____________________________________________________________________
_____________________________________________________________________

2. Differentiate between free trade and protectionism.

_____________________________________________________________________
_____________________________________________________________________
_____________________________________________________________________

3. Explain how Tonga can be advantaged from both free trade and protectionism.

_____________________________________________________________________
_____________________________________________________________________
_____________________________________________________________________

QUESTION 3: WHAT IS DEVELOPMENT? (15 MARKS)

Study the hypothetical data given in the table below and answer the questions that follow.

<table>
<thead>
<tr>
<th>Indicators</th>
<th>Country A</th>
<th>Country B</th>
</tr>
</thead>
<tbody>
<tr>
<td>GDP per capita</td>
<td>Population : 10 million</td>
<td>Population : 5 million</td>
</tr>
<tr>
<td></td>
<td>Real GDP : $1000 million</td>
<td>Real GDP : $200 million</td>
</tr>
<tr>
<td>Ratio of man-made resources to the labour force</td>
<td>1,000,000 labourers and $10 million worth of man-made resources</td>
<td>2,000,000 labourers and $100 million worth of man-made resources</td>
</tr>
<tr>
<td>Labour force engaged in Primary, Secondary, and Tertiary Industry</td>
<td>Primary Industry : 350,000</td>
<td>Primary Industry : 100,000</td>
</tr>
<tr>
<td></td>
<td>Secondary Industry : 150,000</td>
<td>Secondary Industry : 200,000</td>
</tr>
<tr>
<td></td>
<td>Tertiary Industry : 50,000</td>
<td>Tertiary Industry : 250,000</td>
</tr>
<tr>
<td>Literacy Rate</td>
<td>95%</td>
<td>90%</td>
</tr>
<tr>
<td>Investment in human capital</td>
<td></td>
<td>66years</td>
</tr>
</tbody>
</table>

1. a. Complete the table below by identifying the country that is less developed under each of the following Indicators.

<table>
<thead>
<tr>
<th>Indicators</th>
<th>Less Developed Country</th>
</tr>
</thead>
<tbody>
<tr>
<td>GDP per capita</td>
<td></td>
</tr>
<tr>
<td>Labour force engaged in Primary, Secondary, and Tertiary Industry</td>
<td></td>
</tr>
</tbody>
</table>

b. Discuss any two causes of development inequalities. Support your answer from the economy of Tonga.
c. Explain the significance of **Literacy Rate** in determining the level of economic development.

________________________________________________________________________
________________________________________________________________________
________________________________________________________________________
________________________________________________________________________
________________________________________________________________________

2. One of the indicators of a country’s rate of economic development is the amount of investment in human capital. Explain the relationship between investment in human capital and economic development.

________________________________________________________________________
________________________________________________________________________
________________________________________________________________________
________________________________________________________________________
________________________________________________________________________

3. a. GDP and GNP are common indicators of economic development. Distinguish between these two indicators.

________________________________________________________________________
________________________________________________________________________
________________________________________________________________________
________________________________________________________________________
________________________________________________________________________
b. State one limitation of using GDP as the most common indicator of economic development.

________________________________________________________________________
________________________________________________________________________
________________________________________________________________________

4. Human Development Index (HDI) was introduced by the World Bank to eliminate the problems encountered using monetary and non-monetary indicators of development. Explain how HDI works.

________________________________________________________________________
________________________________________________________________________
________________________________________________________________________
QUESTION 4: ECONOMIC DEVELOPMENT – PRIMARY PRODUCTION

(15 MARKS)

Below are diagrams relating to Farming.

A. CHEMICAL POLLUTION

B. FARMING

C. SOIL EROSION

1. Farming belongs to Primary Production or Extractive Industry. Explain why Farming is classified as ‘Extractive stage of Production’ giving an example to support your explanation.

_____________________________________________________________________

_____________________________________________________________________

_____________________________________________________________________

_____________________________________________________________________

_____________________________________________________________________

2 marks

<table>
<thead>
<tr>
<th>2</th>
<th>1</th>
<th>0</th>
<th>NR</th>
</tr>
</thead>
</table>

2. From the diagrams on the previous page, name any two factors of production used in farming.

Factor 1 : ____________________________________________________
Factor 2 : ____________________________________________________

3. **Primary Industry has a direct relationship with Secondary Industry.**
   With example from fishing production, explain this direct relationship.

   ____________________________________________________________
   ____________________________________________________________
   ____________________________________________________________
   ____________________________________________________________
   ____________________________________________________________

4.a. One of the diagrams in previous page shows chemical pollution. Explain how this production causes food insecurity.

   ____________________________________________________________
   ____________________________________________________________
   ____________________________________________________________
   ____________________________________________________________
   ____________________________________________________________

   b. Evaluate the methods that Tonga is implementing to overcome the problem of food insecurity in the country.

   ____________________________________________________________
   ____________________________________________________________
   ____________________________________________________________
   ____________________________________________________________
   ____________________________________________________________
5. ‘Food Prices are serious problem for low income consumers but can be good for farmers’. Comment on the statement by making references to your own country.
QUESTION 5: ECONOMIC DEVELOPMENT – SECONDARY, TERTIARY & QUATERNARY PRODUCTION (15 MARKS)

Study Figure 2, then answer the following questions.

**Figure 2: Features of Industrialisation**

There are three stages to the development of an NIC, from its traditional society to a developed world society. These are shown on the diagram and described below. The time frame for the whole process can be as little as 30 years.

1. Describe ONE feature of Industrialisation in newly industrialised countries (NIC).

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________

2. Explain ONE advantage and ONE disadvantage of this feature of industrialisation in developing countries.

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________
3. Industrialisation introduces small-scale enterprises funded by micro-finance. Discuss the importance of small-scale enterprises for development in your own country.

_________________________________________________________________________

_________________________________________________________________________

_________________________________________________________________________

Study **Figure 3** then answer the following questions.

**Figure 3:** Employment Structure

![Employment Structure Diagram](image)
4. Informal employment is a feature of development in the developing countries. Explain what informal employment is.

____________________________________________________________________
____________________________________________________________________
____________________________________________________________________
____________________________________________________________________

5. Evaluate the importance of informal employment in developing countries.

____________________________________________________________________
____________________________________________________________________
____________________________________________________________________
____________________________________________________________________

Q.5
QUESTION 6: INTERNATIONAL AID (15 MARKS)

1. Study the information given below and answer the questions that follow.

### Overview of Australia's aid program to Tonga

**How we are helping**

<table>
<thead>
<tr>
<th>2014/15 Bilateral Outcome</th>
<th>2015/16 Bilateral Budget Estimate</th>
<th>2015/16 Total Australian ODA Estimate</th>
</tr>
</thead>
<tbody>
<tr>
<td>$16.3 million</td>
<td>$17.6 million</td>
<td>$30.2 million</td>
</tr>
</tbody>
</table>

The Australian Government will provide an estimated $30.2 million in total Official Development Assistance to Tonga in 2015–16. This will include an estimated $17.6 million in bilateral funding to Tonga managed by DFAT.


From the above information,

a. identify the type of aid that is being given by Australia to Tonga.
   
   ____________________________________________________________

b. name one of Australia’s major projects in Tonga?
   
   ____________________________________________________________

2. Define the term ‘International Aid or Foreign Aid’.

   ____________________________________________________________
   ____________________________________________________________
   ____________________________________________________________

3. ‘Technical Assistance’ is one form of foreign aid that Tonga receives.
   a. Describe this form of aid giving an example to support your answer.

   ____________________________________________________________
   ____________________________________________________________
   ____________________________________________________________
   ____________________________________________________________
   ____________________________________________________________
b. Evaluate the advantage of 'Technical Assistance' to Tonga.

________________________________________________________________
________________________________________________________________
________________________________________________________________
________________________________________________________________

4. Explain how the government of Australia assist the Education Sector in Tonga.

________________________________________________________________
________________________________________________________________
________________________________________________________________

5. On Friday, October 23, 2015, HM King Tupou VI commissioned a new project donated by the Australian Government to HM Armed Forces.

a. Name the new project commissioned and give the name of project commissioned.

________________________________________________________________
________________________________________________________________

b. How is the project in (5.) above might benefits some people but at the same time disadvantage others.

________________________________________________________________
________________________________________________________________
________________________________________________________________

6. Non-Government Organizations in Tonga include the Tonga Family Planning Association and the Tonga National Youth Congress.

Describe TWO ways in which this non-government organization helps with the development in Tonga.

________________________________________________________________
________________________________________________________________
________________________________________________________________
1. Describe the nature of the type of environmental degradation shown by Figure 4.

2. Explain how economic development causes this type of environmental degradation.
3. Discuss how Pacific islands tried to manage this type of environmental degradation.

Study **Figure 5** then answer the following questions

**Figure 5: Sustainable Development**

4. Define sustainable development.
5. Explain ONE example of sustainable development in your own country

____________________________________________________________________
____________________________________________________________________
____________________________________________________________________
____________________________________________________________________
____________________________________________________________________

6. Evaluate how this type of development ensures environmental security for the future.

____________________________________________________________________
____________________________________________________________________
____________________________________________________________________
____________________________________________________________________
____________________________________________________________________
QUESTION 8: SOCIAL ISSUES (15 MARKS)

Study Figure 6 then answer the following questions.

**Figure 6: POSTER IN NUKU’ALOFA**

1. Identify the type of social issue that Figure 6 is showing.

____________________________________________________________________

2. Explain the impact of this issue on the development of people of your own country.

____________________________________________________________________
____________________________________________________________________
____________________________________________________________________
____________________________________________________________________
____________________________________________________________________

1 mark

<p>| | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
<td></td>
<td>NR</td>
</tr>
</tbody>
</table>

3 marks

<p>| | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NR</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
3. Discuss a programme in your country that is trying to control the social issue in Figure 6.

__________________________________________________________________________

__________________________________________________________________________

__________________________________________________________________________

__________________________________________________________________________

__________________________________________________________________________

Study Figure 7 then answer the following questions.

**Figure 7: Education and Wages**

Wages and Productivity

**Education leads to higher wages.** Studies show that a single year of primary school increases the wages people earn later in life by 5-15% for boys and even more for girls (CFR, 2004).

**Returns to secondary education are even greater.** For instance, returns to girls’ secondary education were shown to be 15-25% in a recent study (CFR, 2004).

**More education leads to more productive and efficient farming.** A 63-country study found that more productive farming due to increased female education accounted for 43% of the decline in malnutrition achieved between 1970 and 1999 (CFR, 2004).

- Educated women are more likely to enter the formal labor market, where they reap greater wage gains than the informal sector. A study in Brazil confirmed this correlation: by facilitating the transition to the formal labor sector, education helped promote higher wages (Malhotra, 2003).

4. Describe the importance of education to the development of women.

__________________________________________________________________________

__________________________________________________________________________

__________________________________________________________________________

__________________________________________________________________________
5. Explain how education provide opportunities for individual development in your country.

<table>
<thead>
<tr>
<th>2 marks</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
</tr>
<tr>
<td>1</td>
</tr>
<tr>
<td>0</td>
</tr>
<tr>
<td>NR</td>
</tr>
</tbody>
</table>

6. Discuss the social issue raised by **Figure 7** in relation to the development of your own country.

<table>
<thead>
<tr>
<th>4 marks</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
</tr>
<tr>
<td>3</td>
</tr>
<tr>
<td>2</td>
</tr>
<tr>
<td>1</td>
</tr>
<tr>
<td>0</td>
</tr>
<tr>
<td>NR</td>
</tr>
</tbody>
</table>
THIS PAGE HAS BEEN DELIBERATELY LEFT BLANK.
# TONGA FORM SIX CERTIFICATE 2015

## DEVELOPMENT STUDIES

<table>
<thead>
<tr>
<th>QUESTIONS</th>
<th>MARKS</th>
<th>CHECK MARKS</th>
<th>TOTAL MARKS</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
<td></td>
<td>5</td>
</tr>
<tr>
<td>2</td>
<td></td>
<td></td>
<td>5</td>
</tr>
<tr>
<td>3</td>
<td></td>
<td></td>
<td>15</td>
</tr>
<tr>
<td>4</td>
<td></td>
<td></td>
<td>15</td>
</tr>
<tr>
<td>5</td>
<td></td>
<td></td>
<td>15</td>
</tr>
<tr>
<td>6</td>
<td></td>
<td></td>
<td>15</td>
</tr>
<tr>
<td>7</td>
<td></td>
<td></td>
<td>15</td>
</tr>
<tr>
<td>8</td>
<td></td>
<td></td>
<td>15</td>
</tr>
<tr>
<td>TOTAL MARKS</td>
<td></td>
<td></td>
<td>100</td>
</tr>
</tbody>
</table>

Student Personal Identification Number (SPIN)