

MARKER CODE				



Student Personal Identification Number				

Solomon Islands National Form Six School Certificate

2019

GEOGRAPHY

QUESTION AND ANSWER BOOKLET

THURSDAY 7th NOVEMBER 9:00 AM

Time allowed: 3 Hours Plus 10 Minutes
Reading Time.

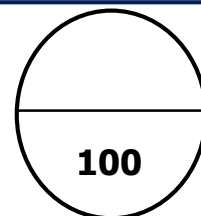
INSTRUCTIONS

1. Answer ALL questions using the space provided in the booklet.
2. This paper contains FIVE (5) sections. Each section is worth 20 marks.

Section A: Living with Natural Hazards	35 minutes
Section B: Use and Management of Water Resources	35 minutes
Section C: Consequences of Population Growth	40 minutes
Section D: The challenges of Urbanisation and Urban Environment	35 minutes
Section E: Geographic Perspectives on Tourism	35 minutes
3. Illustrate your answers with relevant maps and diagrams. You will need an accurate ruler and you may use a calculator if you wish.
4. Write your **Student Personal Identification Number (SPIN)** in the space provided above, on the back-flap at the back of this Booklet and on any additional sheet used.
5. Tie securely any additional sheet(s) used in the appropriate part of your booklet.
6. Do NOT use correction fluid.
7. Mobile phones are NOT allowed in the Examination room.
8. Check that this booklet contains pages **2-29** in the correct order and that none of these pages is blank.

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

TOTAL MARKS



SECTION A: WITH NATURAL LIVING HAZARDS (20 MARKS)

PART A: DEFINITION AND CHARACTERISTICS

(4 Marks)

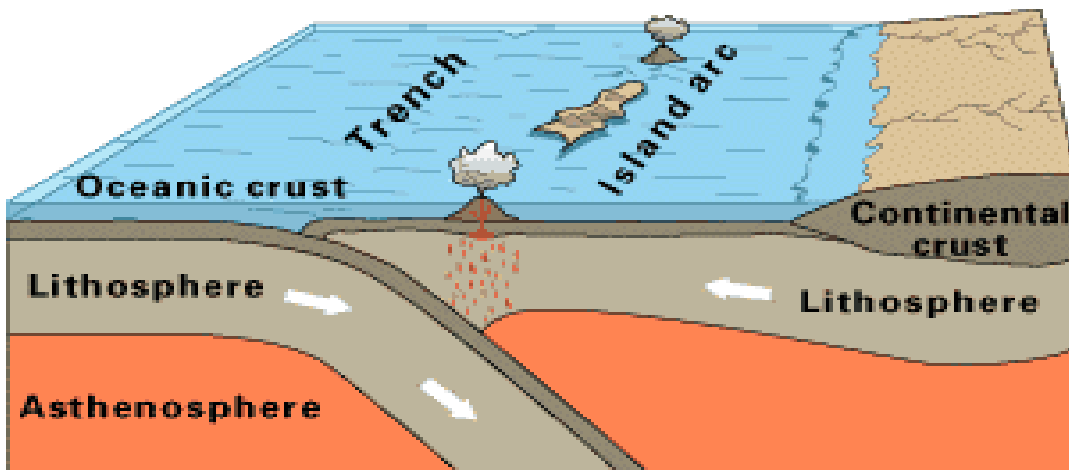
1. Define the term 'Volcano'.

(1 mark)

2. **High viscosity** and **high volatile** are characteristics of what type of volcano?

(1 mark)

Figure 1.0: an orogenic process



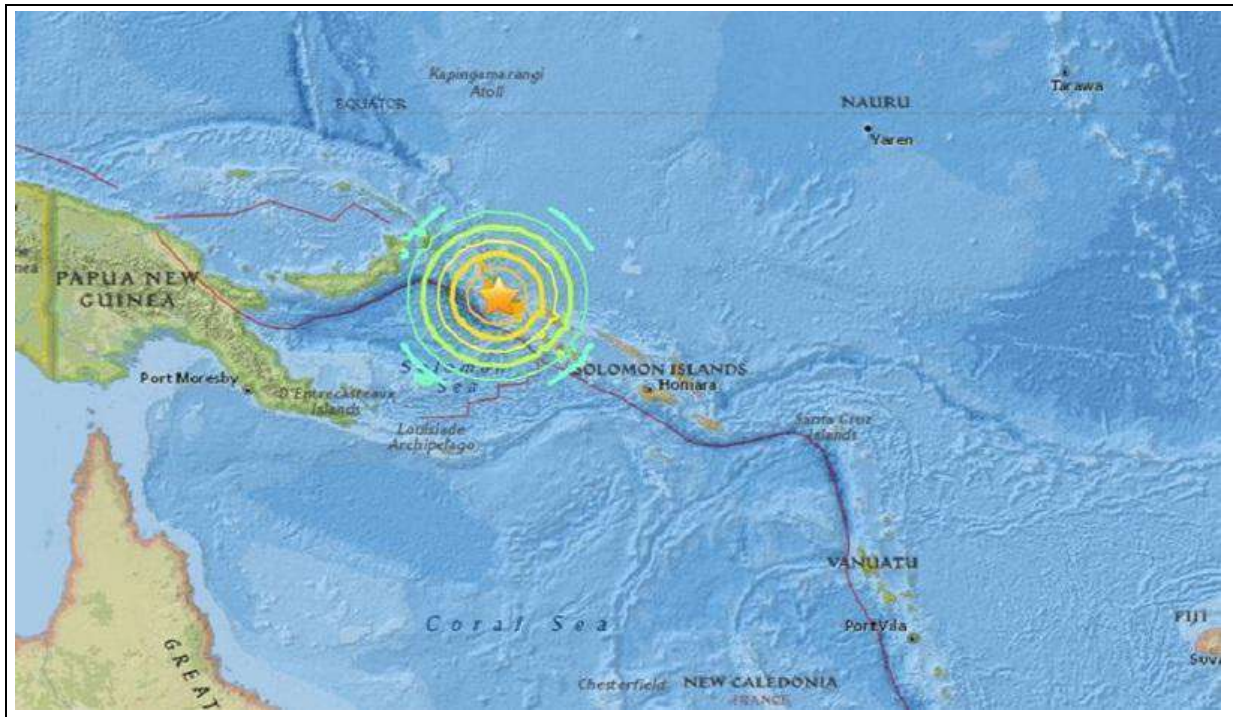
(Source: Strahler & Strahler, 2018)

3. Which type of **orogenic** process forms island arcs? Refer to the figure 1.0 above.

(1 mark)

4. Locate the Earthquake's FOCUS POINT in the given diagram. Mark it with Letters **FP**.

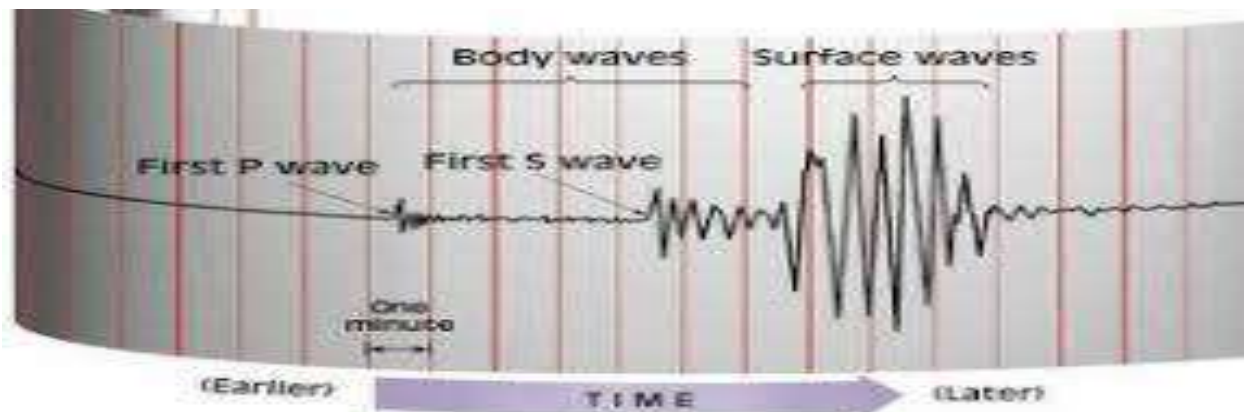
Figure 1.1: Earthquake Focus Point



Source: www.geo.seismic.com

Refer to Figure 1.2 below, NAME the fastest earthquake wave that often firstly experienced during any occurrence.

Figure 1.2: Richter scale



Source : Strahler & Strahler, 2018

5. _____

(1 mark)

PART B: NATURAL HAZARD STRUCTURE AND PROCESSES (8 Marks)

6. Describe ONE (1) characteristic of an area **labelled 'B'** in figure 1.3 below.

Figure 1.3: Image of Tropical Cyclone Katrina



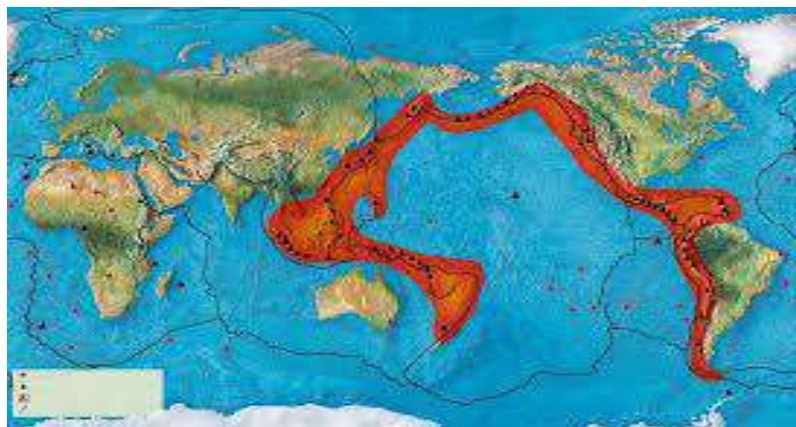
Source: Geo. Science

Characteristic: _____

(2 marks)

7. Describe the association of an earthquake and a volcanic activity through studying figure 1.4.

Figure 1.4: World Map showing areas of Earthquakes and volcanic activities

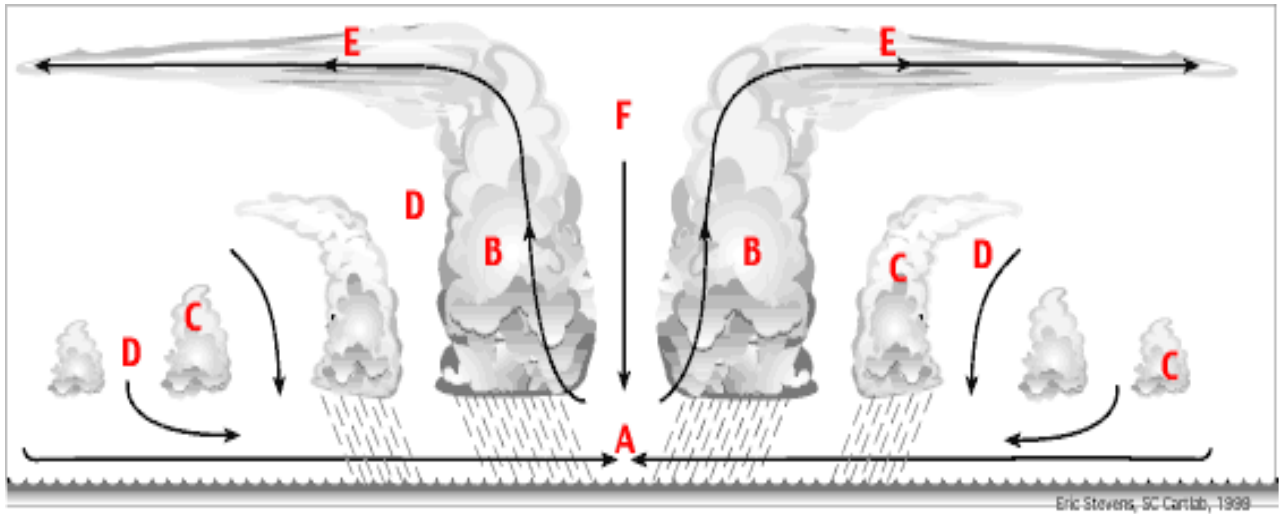


Source: google.com

(2 marks)

8. Carefully study the **cross-sectional** diagram of a tropical cyclone. Label the letters **A, C and E**.

Figure 1.5: Cross section of a tropical cyclone



Answers:

- A. _____
- B. _____
- C. _____
- E. _____

(4 marks)

PART C: NATURAL HAZARDS AND EFFECTS (3 Marks)

9. Discuss any ONE (1) **social effect** of earthquakes on people. Provide examples and illustrations where appropriate.

(3 marks)

PART D: MANAGING AND PLANNED RESPONSES OF NATURAL HAZARDS

(5 Marks)

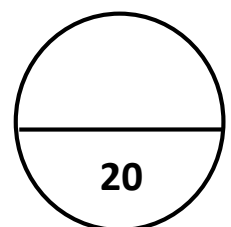
10. A) Explain any ONE (1) **precautionary measure** that should be taken by people living along the low lying coastal area during an earth quake.

(2 marks)

- B) Evaluate the **effectiveness** of ONE (1) of the precautionary measures that you have provided above.

(3 marks)

Total marks for SECTION A:



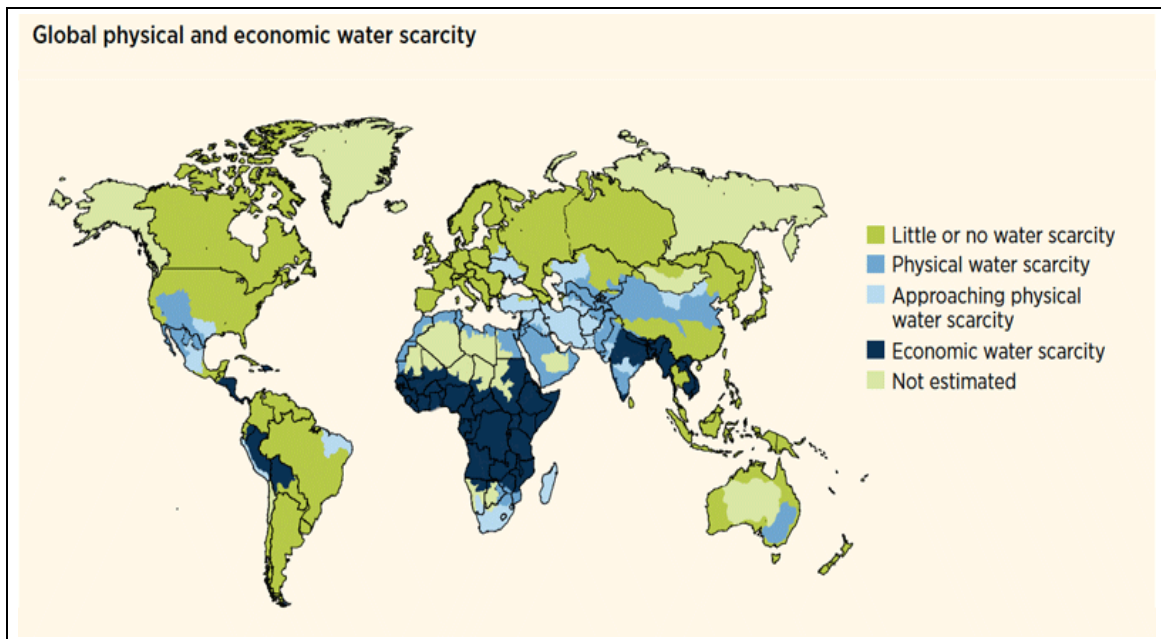
SECTION B: USE AND MANAGEMENT OF WATER RESOURCES (20 MARKS)

YOU ARE ADVISED TO SPEND 35 MINUTES ANSWERING THIS SECTION.

PART A: DEFINITIONS (5 Marks)

Physical and Economic water scarcity distribution.

Figure 1.6: World Map showing global physical and economic water scarcity



Source: https://www.un.org/waterforlifedecade/images/scarcity/2013_scarcity_graph_2.png

1. Define what Economic water scarcity is?

(1 mark)

2. State ONE (1) reason accounted for the regions where Economic **water scarcity** is experienced.

(1 mark)

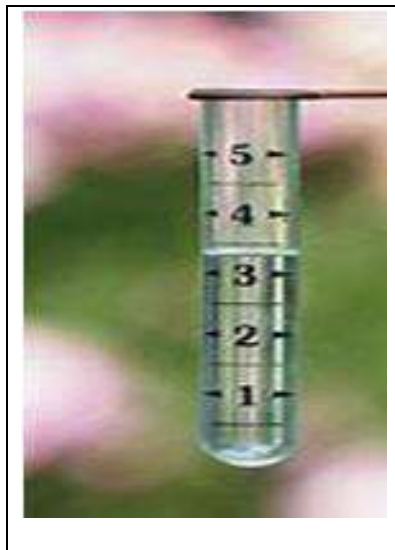
3. Name ONE (1) **region or country** in the Map above that is experiencing this situation.

(1 mark)

4. Explain the correct **method** of taking rainfall reading from a rain gauge as shown in *figure 1.7* below.

(2 marks)

Figure 1.7: Rain Gauge

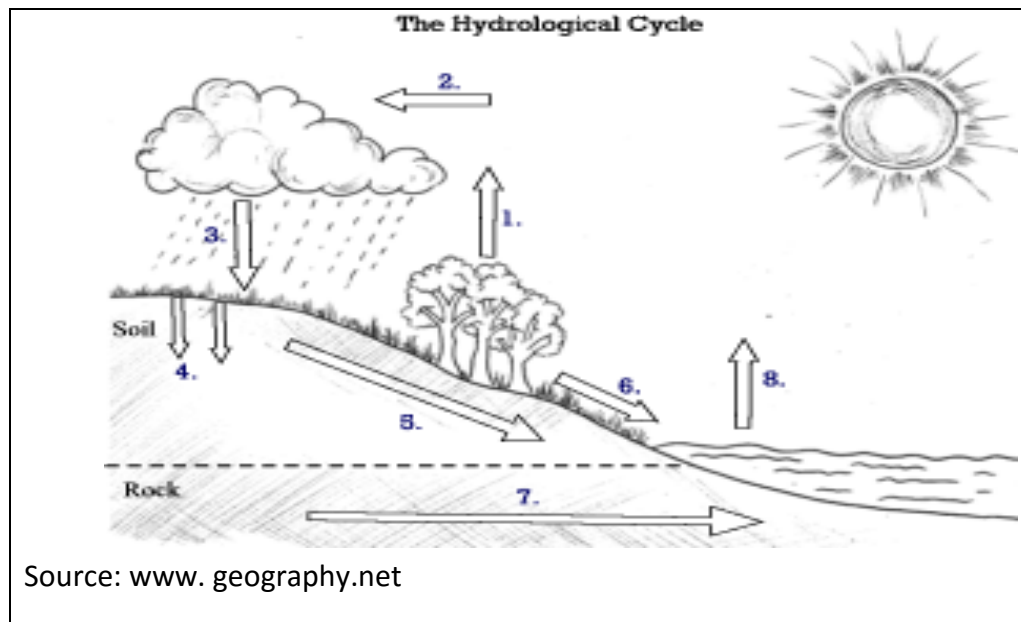


Source: www.geographyfieldinstruments.com

PART B: WATER PROCESSES- HYDROLOGICAL CYCLE

(4 Marks)

Figure 1.8: Hydrological cycle



5. Describe stages 4 and 6 in the **hydrological cycle** (figure 1.8) provided above.

Stage 4

(2 marks)

Stage 6

(2 marks)

PART C: WATER USES: BUILDING TANKS IN NAURU

(4 Marks)

Figure 1.9: Water in Nauru



Source: <http://www.effects of water in Nauru>

6. Explain any TWO (2) long term **social benefits** of water tank construction as a priority development in Nauru communities.

Long term social benefit 1:

(2 marks)

Long term social benefit 2:

(2 marks)

PART D: EFFECTS OF WATER ON NAURU'S ECONOMY (3 Marks)

7. Explain any ONE (1) **effect** that a delayed delivery of water importation has on Nauruan Economic activities.

(3 marks)

PART E: MANAGEMENT OF WATER RESOURCE (4 Marks)

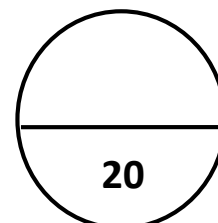
8. With reference to a named example or examples;
- a) State ONE (1) **strategy** that can be used to manage water usage in Honiara City Schools.

(1 mark)

- b) Evaluate the **effectiveness** of the strategy that you have stated above.

(3 marks)

Total marks for SECTION B:

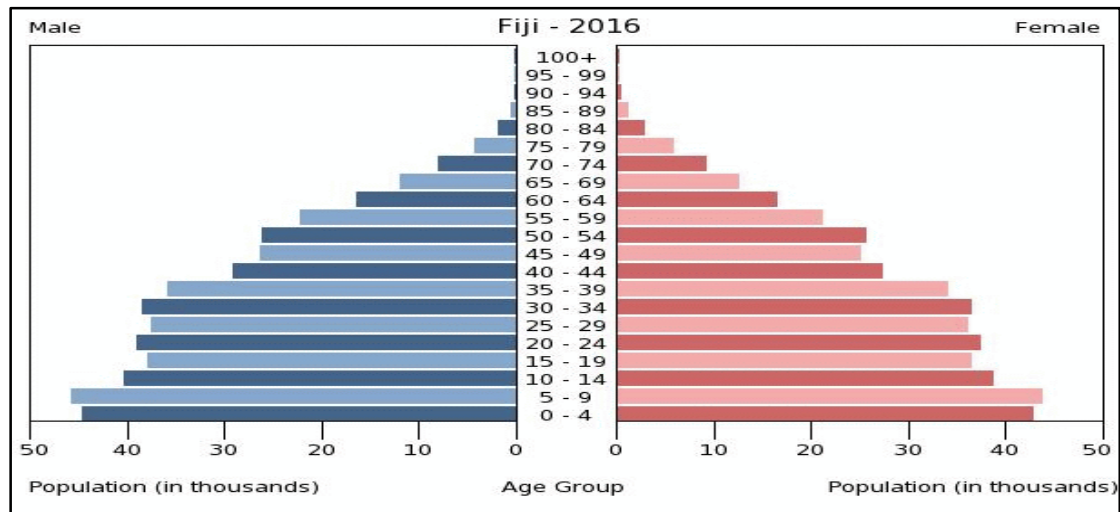


SECTION C: CONSEQUENCES OF POPULATION GROWTH (20 MARKS)

PART A: POPULATION PYRAMID (5 Marks)

Use this figure 2.0 to answer questions (1-3) that follow.

Figure 2.0: Population pyramid – Fiji 2016



Source: <https://www.population+pyramid.fiji>

1. Calculate an estimated total number of **males** and **females** for age groups 15-19 and 30-34 as illustrated in **figure 2.0** above.

(2 marks)

2. Explain ONE (1) reason to justify the increase of age group 5-9 for both male and female as shown by figure 2.0.

(2 marks)

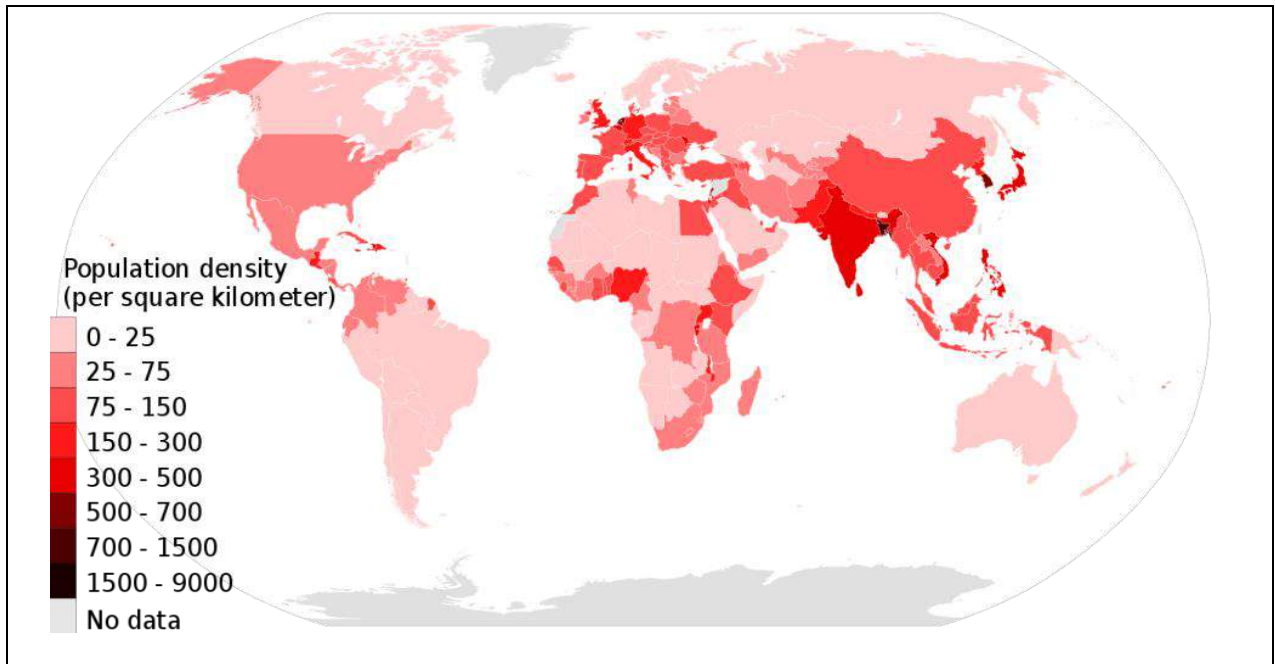
3. State ONE (1) reason for the **difference** of male and female in Fiji at age group 85-89 as illustrated in figure 2.0.

(1 mark)

PART B: POPULATION DISTRIBUTION AND DENSITY

(4 Marks)

Figure 2.1: World map- population density and distribution



Source: <http://www.geography world population density images>

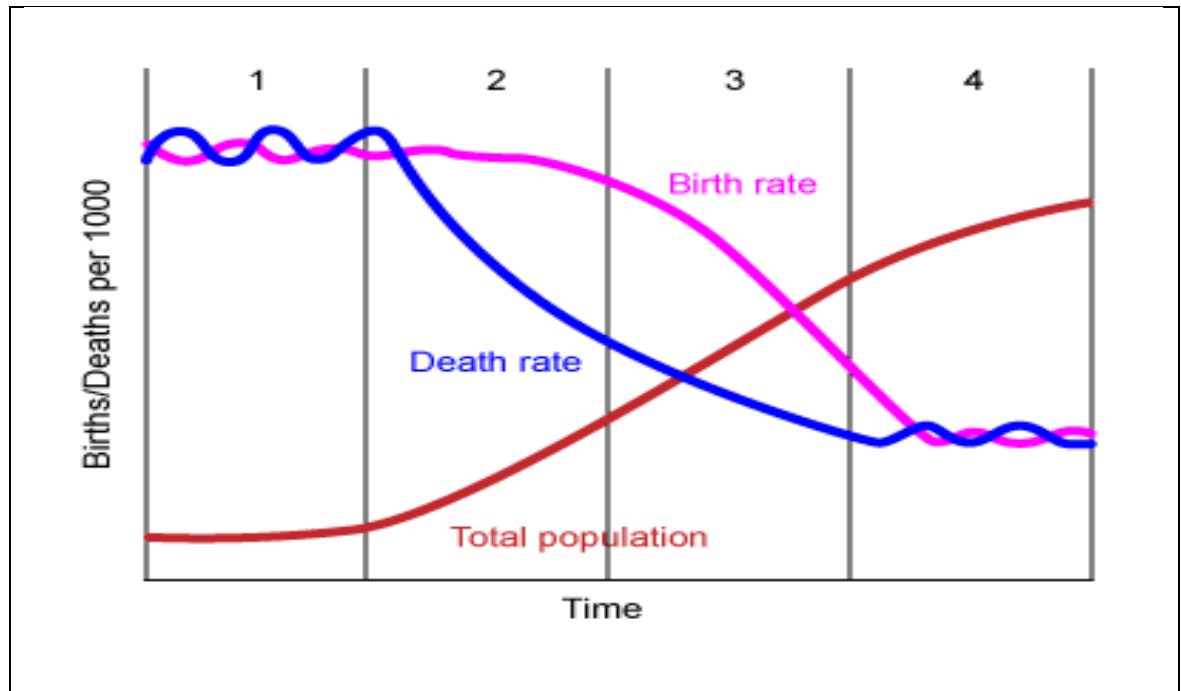
4. Describe the **population density** of West Papua, refer to ***figure 2.1***.

(2 marks)

5. Explain ONE (1) reason accounted for the type of population density of west Papua as illustrated on the world map (figure 2.1).

(2marks)

Figure 2.2: Demographic Transition Model



Source: www.geography.models.net

6. Explain what a country would experience if its population is at **stage 4** of the Demographic Transition Model (DTM), as shown in **figure 2.2** above.

(2 marks)

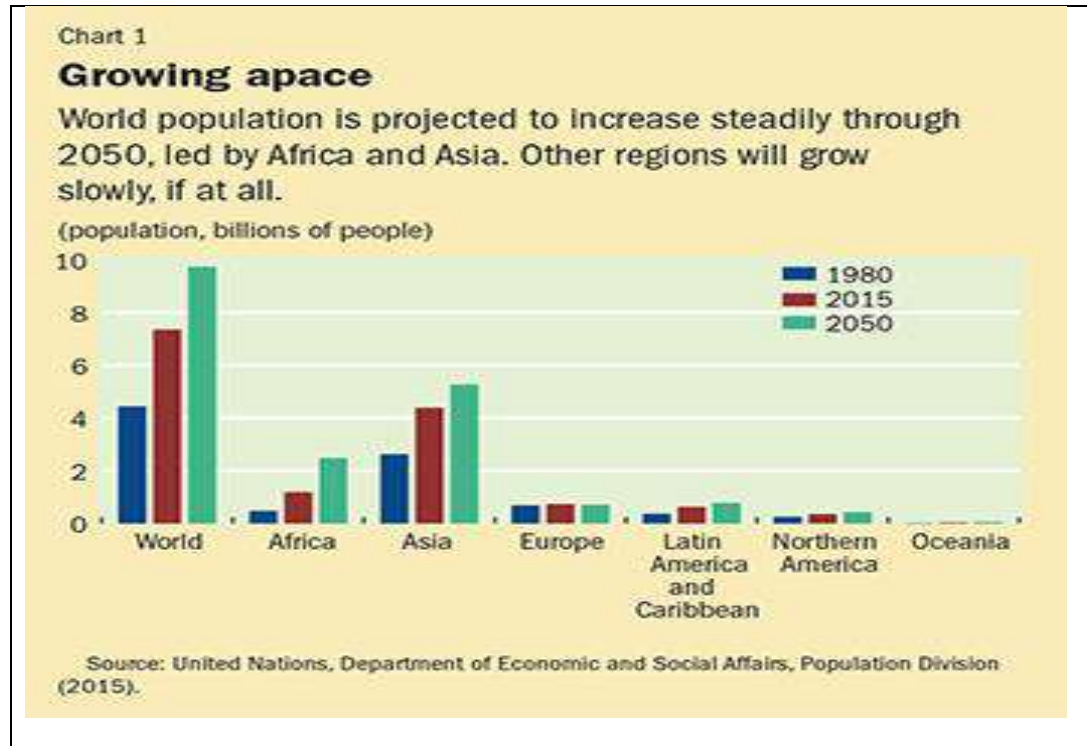
7. Explain ONE (1) reason accounted for the country reaching stage 4 of the DTM.

(2 marks)

PART D: PLANNED RESPONSES TO POPULATION GROWTH

(3 Marks)

Figure 2.3: Growing Apace World Population and Region Population growth



8. In regions like Asia, the population projection will increase into 8 billions' by 2050. State THREE (3) **planned approaches** for Asia to assist in slowing down its regional population.

Approach 1

(1 mark)

Approach 2

(1 mark)

Approach 3

(1 mark)

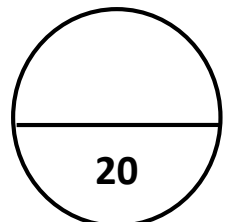
PART E: EVALUATE EFFECTIVENESS OF STRATEGIES

(4 MARKS)

9. With reference to Solomon Islands, the use of **contraceptive methods** has been an approach used to control population growth.
Evaluate the **effectiveness of this method** in managing the population Growth.

(4 marks)

Total marks for SECTION C:



SECTION D: CHALLENGE OF URBANISATION AND URBAN ENVIRONMENTS
(20 MARKS)

PART A: DEFINITIONS, URBAN MODEL AND CHARACTERISTICS (9 marks)

1. Define the terms:

a. Urbanization

(1 mark)

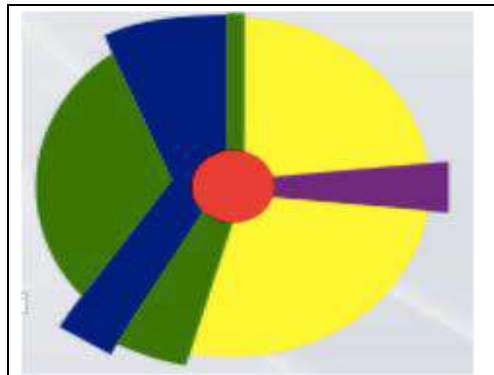
b. Urban sprawl

(1 mark)

2. (a) Name the Urban Model shown in **figure 2.4** below.

Answer : _____
(1 mark)

Figure 2.4: Urban model



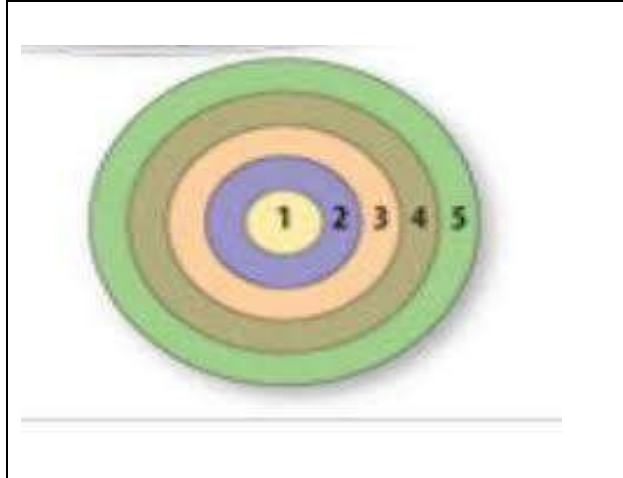
Source: www.urban.morphology.com

(b) Give ONE (1) **advantage** of this urban model illustrated in **figure 2. 4** above.

(1 mark)

3. Identify TWO (2) features of **AREA labelled 1** in the Urban Model shown in **figure 2.5** below.

Figure 2.5: Urban Model



(i) _____

(ii) _____

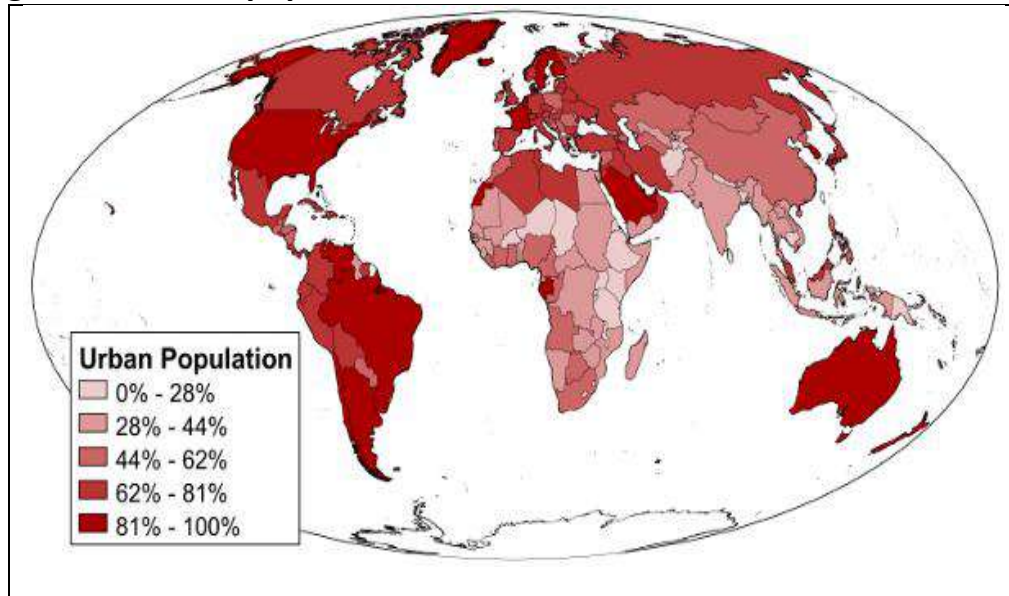
(2 marks)

4. List ONE (1) **advantage** of the Urban Model in figure 2.5.

(1 mark)

Use **Figure 2.6** to answer question 5.

Figure 2.6 Urban population



Source: Encarta 2017.geography images

5. Describe any ONE (1) reason accounted for the 81%-100% urban population in figure 2.6 above.

(2 marks)

PART B: URBANISATION PROCESS

(2 Marks)

Figure 2.7: Honiara City (Aerial view)



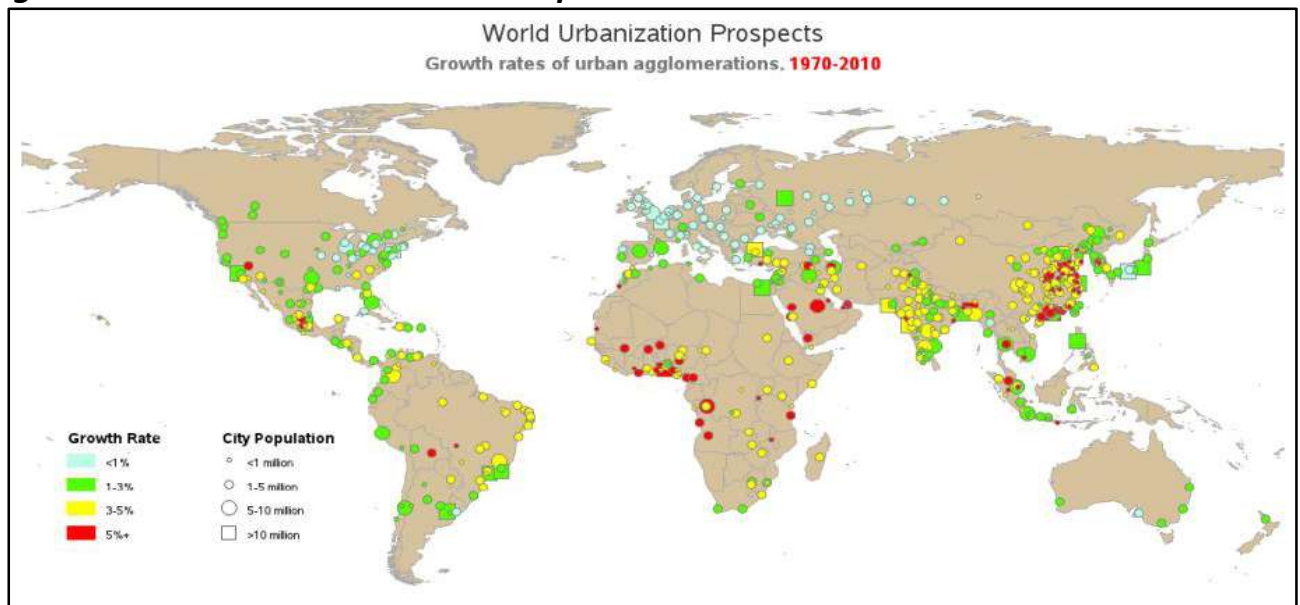
Source: www.Honiara images.com

6. Describe ONE (1) MAJOR **factor** contributing to the rapid urbanization of Honiara city after the 2000 ethnic crisis.

(2 marks)

PART C: URBANISATION MIGRATION AND EFFECTS ON THE ENVIRONMENT
(6 Marks)

Figure 2.8: World Urbanisation Prospects



Source: www.worldurbanization.trend.com

Use figure 2.8 above to answer questions (6-8) that follow.

6. Explain ONE (1) **possible cause** for the high urban growth rate in India.

(2 marks)

7. Give TWO (2) **negative** social effects of urban growth in any country.

i) _____

(1 mark)

ii) _____

(1 mark)

8. Describe ONE (1) **economic burden** of urban growth.

(2 marks)

PART D: URBAN UNEMPLOYMENT - PLANNED RESPONSES AND IMPLICATIONS

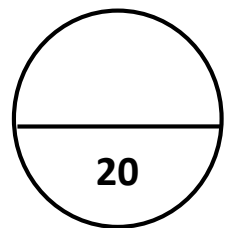
(3 Marks)

9. With reference to urban cities you have studied;

Discuss how **decentralization** as a strategy that cities can use to reduce the rural urban migration trend.

(3 marks)

Total marks for SECTION D:



SECTION E: GEOGRAPHIC PERPECTIVES ON TOURISM (20 MARKS)

PART A: NATURE AND SCOPE OF TOURISM (6 Marks)

Use the data (table 2.9) below to answer questions (1-2) that follow.

Table 2.9: Statistics for Tourists arrival in Solomon Islands.

Months/ Years	2010	2011	2012	2013	2014	2015
January	1,235	1,600	1,383	1,590	1,415	1,259
February	1,209	1,658	1,591	1,544	1,523	1,465
March	1,766	1,861	1,677	2,184	1,816	1,675
April	1,820	1,736	1,839	2,021	1,514	1,750
May	1,137	1,760	1,968	1,857	1,462	1,681
June	1,797	2,009	3,122	2,317	1,949	2,131
July	2,264	2,185	2,865	2,574	2,114	2,077
August	1,845	1,900	2,133	2,022	1,639	1,426
September	2,153	2,159	2,309	2,291	1,730	2,211
October	1,813	1,931	1,929	2057	1,798	1,748
November	1,624	2,195	1,545	1981	1,515	2,101
December	1,858	1,947	1,564	1993	1,595	2,099
Total	20,521	22,941	23,925	24,431	20,070	21,623

Source: www.ministry of Solomon Islands.tourism.sb

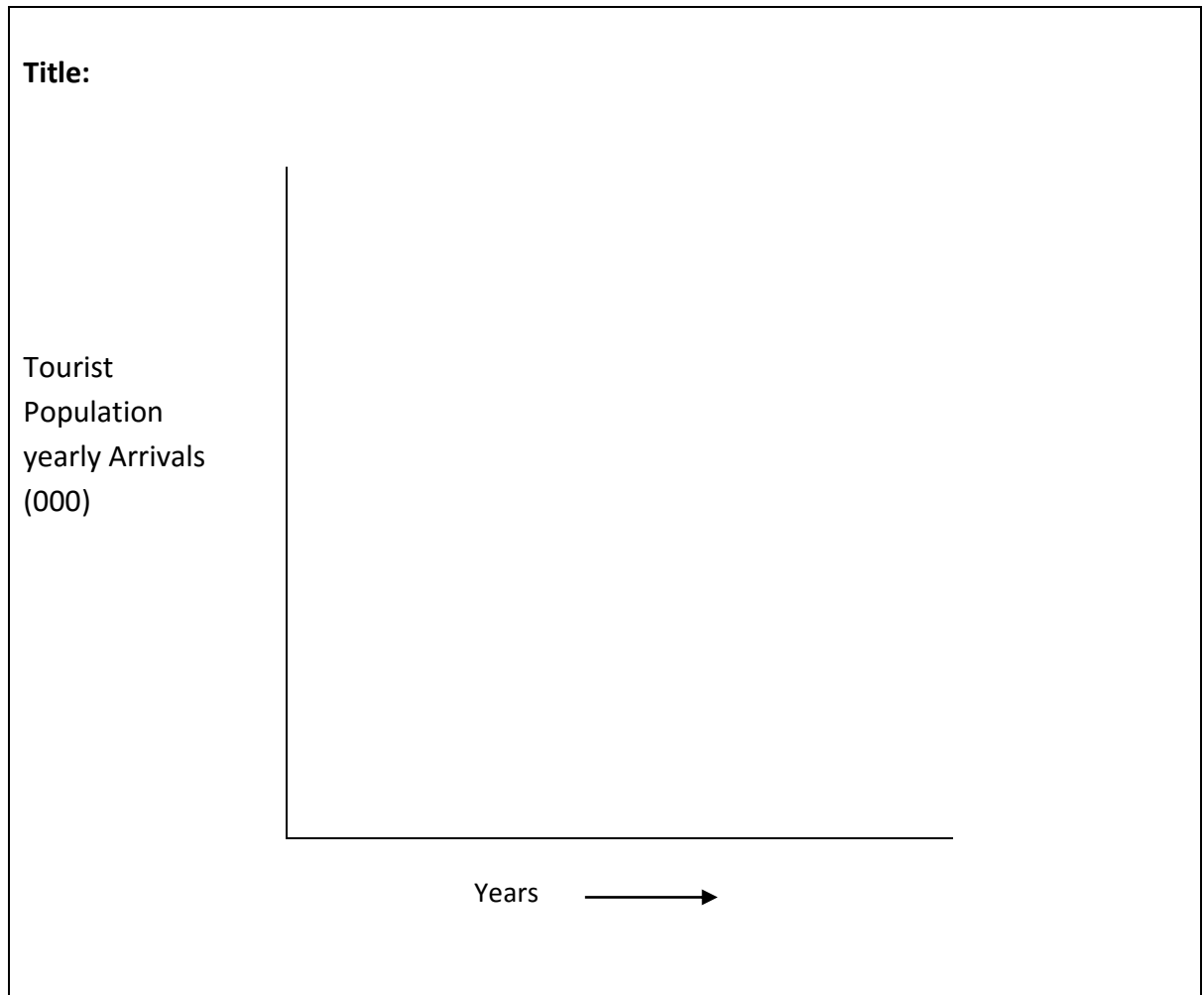
1. List TWO (2) possible reasons for the significant **increase** of tourist's arrivals in Honiara in the month of June, 2012.

(i) _____

(ii) _____

(2 marks)

2. Using data from table 2.9, complete a simple bar graph below to illustrate the **total arrivals of tourists** each year from 2010 -2015.



(4 marks)

PART B: FACTORS INFLUENCE GROWTH OF TOURISM

(5 Marks)

Use figure 3.0 to answer questions (3-4) that follow.

Figure 3.0: Top 10 World tourist destinations in 2012



3. Describe TWO (2) economic **benefits** for Malaysia as one of the major hosts to tourists in 2012.

(i) _____

(2 marks)

(ii) _____

(2 marks)

4. Provide ONE (1) reason why France is the **most** Visited country by tourists.

(i) _____

(1 mark)

C: CONSEQUENCES OF TOURISM INDUSTRY

4 Marks)

5. Explain ONE (1) **negative cultural and environmental** impact of tourism industry in the Solomon Islands.

(i) Cultural impact:

(2 marks)

(ii) Environmental impact:

(2 marks)

PART D: PLANNED RESPONSES AND MANAGEMENT OF TOURISM (5 Marks)

6. With reference to Solomon Islands as an example;

a) List ONE (1) **approach** to control cultural impacts of tourism.

(1 mark)

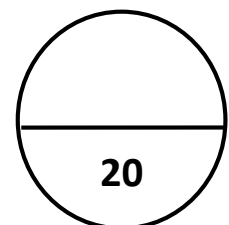
b) Explain the **advantage** of this approach stated above (question 6a).

(2 marks)

(c) Explain the **disadvantage** of this approach stated above (question 6a).

(2 marks)

Total marks for SECTION E:



2019 GEOGRAPHY

Student Personal Identification Number

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SECTION	EXAM MARKS	MARKER	CHECKER
A	20		
B	20		
C	20		
D	20		
E	20		
TOTAL	100		
Marker / Checker initials			