



EXAMINATIONS COUNCIL OF ESWATINI
Junior Certificate Examination

CANDIDATE
NAME

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CENTRE
NUMBER

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CANDIDATE
NUMBER

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GEOGRAPHY

527/02

Paper 2 Geographical skills

October/November 2020

Candidates answer on the question paper

1 hour 45 minutes

Additional Materials: Calculator
Ruler
Plain paper
Pencil
1:25,000 Survey Map extract enclosed with this paper.

READ THESE INSTRUCTIONS FIRST

Write your name, Centre number, and candidate number in the spaces provided.

Write in **blue** or **black** pen.

You may use a soft pencil for any diagrams, graphs, tables or rough working.

Do not use staples, paper clips, highlighters, glue or correction fluid.

Answer **all** questions.

Sketch maps and diagrams should be drawn whenever they serve to illustrate an answer.

The number of marks is given in brackets [] at the end of each question or part question.

For Examiner's Use	
Question 1	
Question 2	
Question 3	
Question 4	
Total	

This document consists of **10** printed pages and **2** blank pages.

1 Study the map extract of Arouca Trinidad and answer the following questions:

- (a) (i) What is the title of the map?
..... [1]
- (ii) Name the public building found at 834747.
..... [1]
- (iii) Give the six figure grid reference of the school in Kelly Village in the South Western part of the map extract.
..... [1]
- (iv) What is the height of the trigonometrical station at 8371?
..... [1]
- (v) What type of plantation or crop is grown in square 8372?
..... [1]
- (b) (i) What class of road is the Churchill Roosevelt Highway?
..... [1]
- (ii) Two tourists decided to drive from the town of Arouca along the Golden Groove road to visit Piarco International Airport. What is the general direction they drove towards?
..... [1]
- (iii) Measure the bearing of the Post Office in square 8374 from the church in square 8176.
..... [1]
- (c) (i) Measure the distance along the Golden Groove road from its junction in Arouca (815752) to its junction with the Churchill Roosevelt Highway (810738).
..... [1]
- (ii) The junction at Arouca is 100 metres and the junction with the Churchill Roosevelt Highway is 50 metres above sea-level. Calculate the gradient between the two points.
.....
.....
.....
..... [2]

(d) (i) State **two** social facilities found in the town of Arouca.

.....
..... [2]

(ii) Give **two** reasons why part of the map on the far North East of Arouca is without settlements.

.....
..... [2]

[Total: 15 Marks]

2 (a) (i) Define research.

.....
..... [1]

(ii) What is meant by population in research?

.....
..... [1]

(iii) Form 3 Geography students decided to carry out a research on why students decided to stop eating in the school kitchen. They decided to sample by asking every 10th student they came across. What type of sampling method did the students use?

..... [1]

(b) (i) Write the following tally in figures IIII IIII IIII III

.....
..... [1]

(ii) A Form 3 Geography teacher asked students to read different books to find more information on the subject.

What type of source is a book?

.....
..... [1]

[Total: 5 Marks]

- 3 (a) A school has bought a rain gauge and there are five possible sites where the rain gauge can be placed or sited as shown in Fig. 1 below.

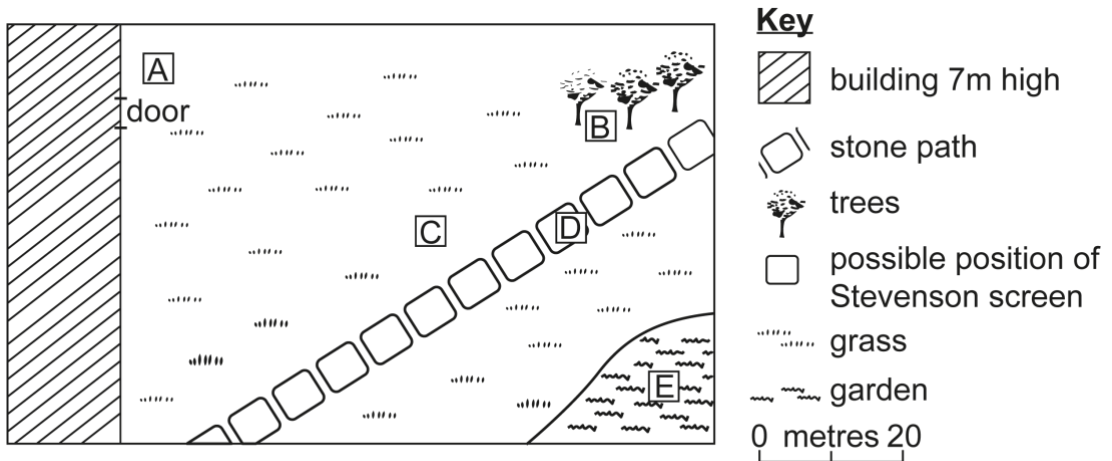


Fig. 1

- (i) What weather element is measured by using a rain gauge?
 [1]
- (ii) Which of the five sites **A,B,C,D** and **E** is the best for the location of the rain gauge?
 [1]
- (iii) Give **one** reason why the site you have chosen is suitable for the location of the rain gauge.
 [1]
- (iv) Choose any **two** sites and give reasons why they are not suitable for the rain gauge.
 Site _____

 Site _____
 [2]

(b) Study Fig. 2 which shows part of a river valley.

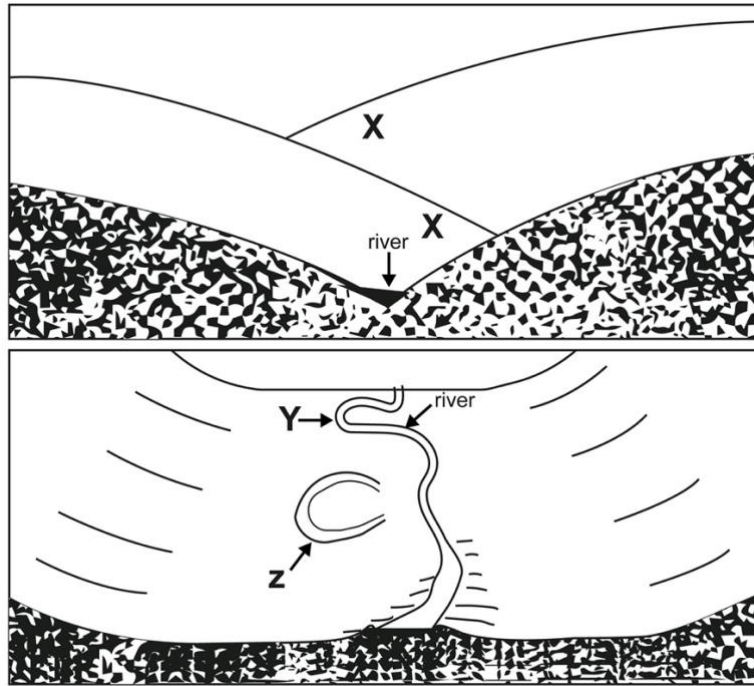


Fig. 2

(i) Name the features labelled X, Y and Z.

X

Y

Z [3]

(ii) Name the stages in which the following features are found.

X

Z [2]

[Total: 10 Marks]

- 4 (a) Study Figs. 3A, 3B and 3C which show information on population growth rate. Fill in the correct information about population change as shown by the arrows.



Fig 3A

- (i) When the death rate is more than the birth rate the population

..... [1]



Fig. 3B

- (ii) When the birth rate is more than the death rate the population

..... [1]

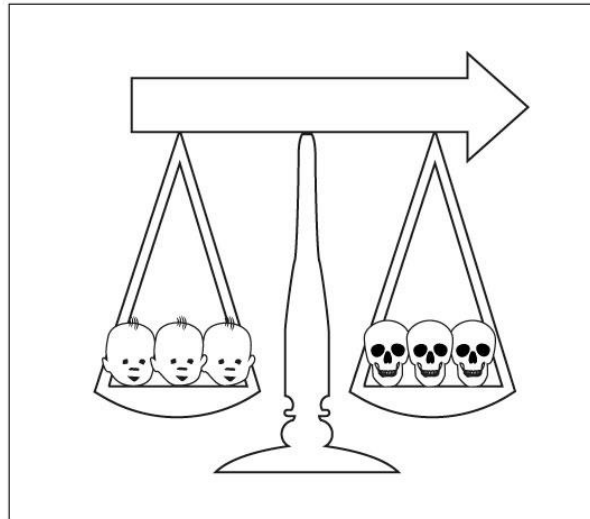


Fig. 3C

(iii) When both the birth and death rates are equal the population becomes

..... [1]

(b) Study Fig. 4 which shows factors that affect population growth. State the missing factors at X and Y.

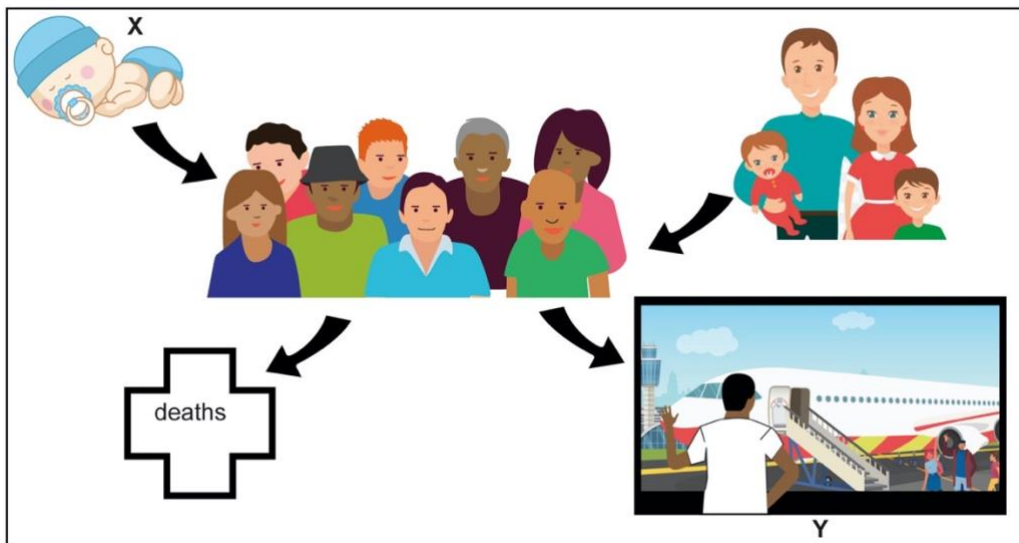


Fig. 4

X

Y [2]

(c) Study Fig. 5 below which shows a method of reducing traffic congestion.



Fig. 5

- (i) Name the method of reducing traffic congestion shown in Fig. 5.
..... [1]
- (ii) Give **one** other way of reducing traffic congestion.
..... [1]

(d) Fig. 6 below shows a settlement hierarchy
State the missing settlements at A, B and C.

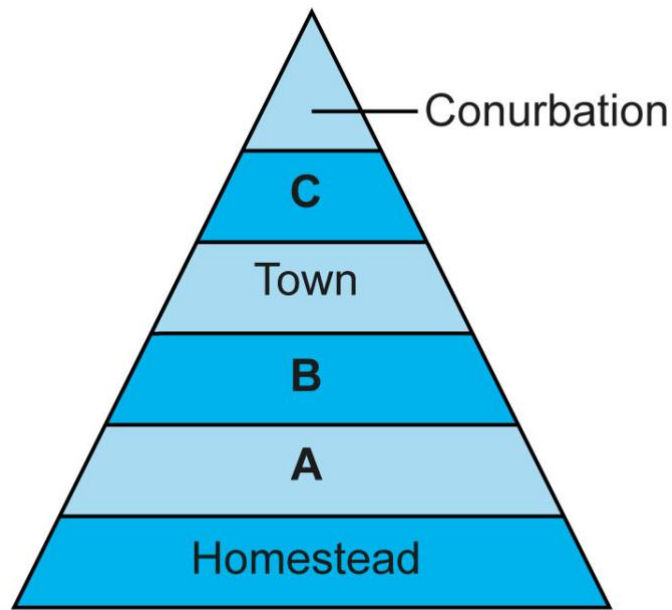


Fig. 6

- A.
- B.
- C. [3]

[Total: 10 Marks]

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