



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 2023

1 hour 45 minutes

Candidates answer on the question paper.

Additional materials: Calculator

Ruler

Plain paper

Pencil

Protector

Set square

1:50 000 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 dark **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	

1 Study the map extract of Victoria Falls (Zimbabwe) and answer the following questions:

(a) What is the representative fraction scale of the map?
..... [1]

(b) Name the **two** types of roads found in grid square 6917.
1.....
2..... [2]

(c) What is the six-figure grid reference of the bridge over the railway crossing south of Chinotimba.
..... [1]

(d) What is the compass direction of the spot height found in grid square 7021 from the spot height found in grid square 7219?
..... [1]

(e) Measure the whole circle bearing of the trigonometrical station at 7219 from the trigonometrical station at 7519.
..... [1]

(f) (i) Measure the distance of the road found between 754164 and 751140 in metres.
.....
..... [1]

(ii) The height of the road is 980 metres at 754164 and 920 metres at 751140. Calculate the gradient along this road.
.....
.....
..... [2]

(g) List any **three** river features found along the Zambezi river.
1.....
2.....
3..... [3]

(h) Using evidence from the map, identify any three tourist attractions found in the town of Victoria Falls.
1.....
2.....
3..... [3]

[Total: 15 marks]

2 (a) Define the meaning of the term *observation* in research.

.....

..... [1]

(b) State **one** disadvantage of the observation method in data collection.

.....

..... [1]

(c) Name the type of graph that may be suitable to show different sizes/parts of a whole.

.....

..... [1]

(d) Give **two** reasons why it is important to work in pairs or groups when conducting research.

.....

..... [2]

[Total: 5 marks]

3 (a) Study Fig. 1 which shows lines of longitude.

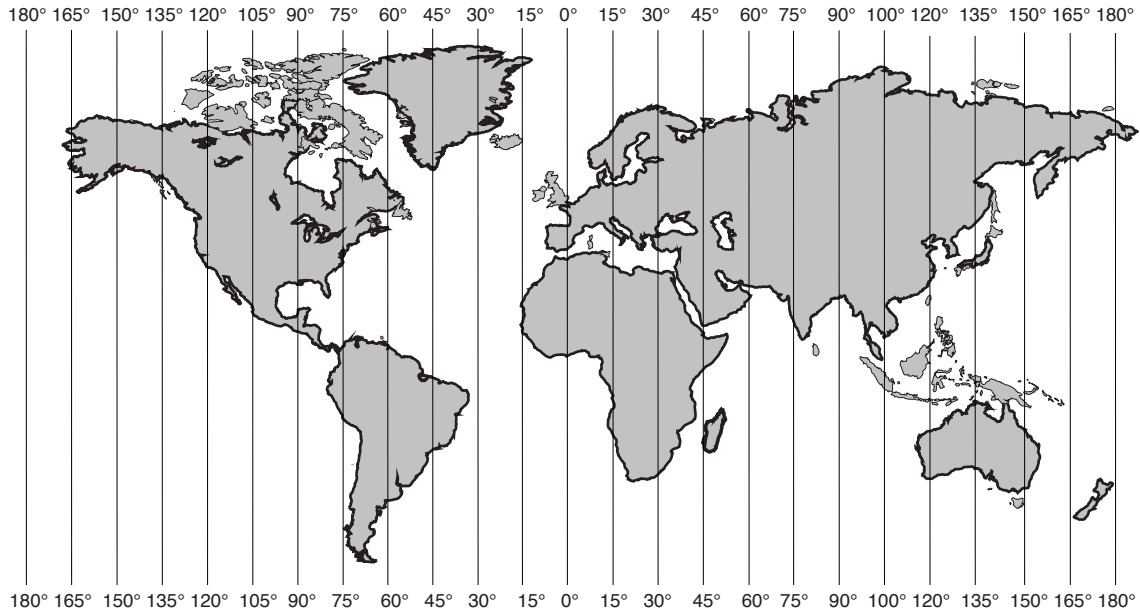


Fig. 1

- (i) What is the name of the 0° line of longitude shown in Fig. 1?
 [1]
- (ii) How many time zones are shown in Fig. 1?
 [1]
- (iii) Using Fig. 1, state **one** characteristic of lines of longitude.
 [1]
- (iv) If it is 3:00 am on Friday in Eswatini (30° E), what time and day would it be at 75° W?

 [2]

(b) Study Fig. 2 which shows the vegetation of a natural region.

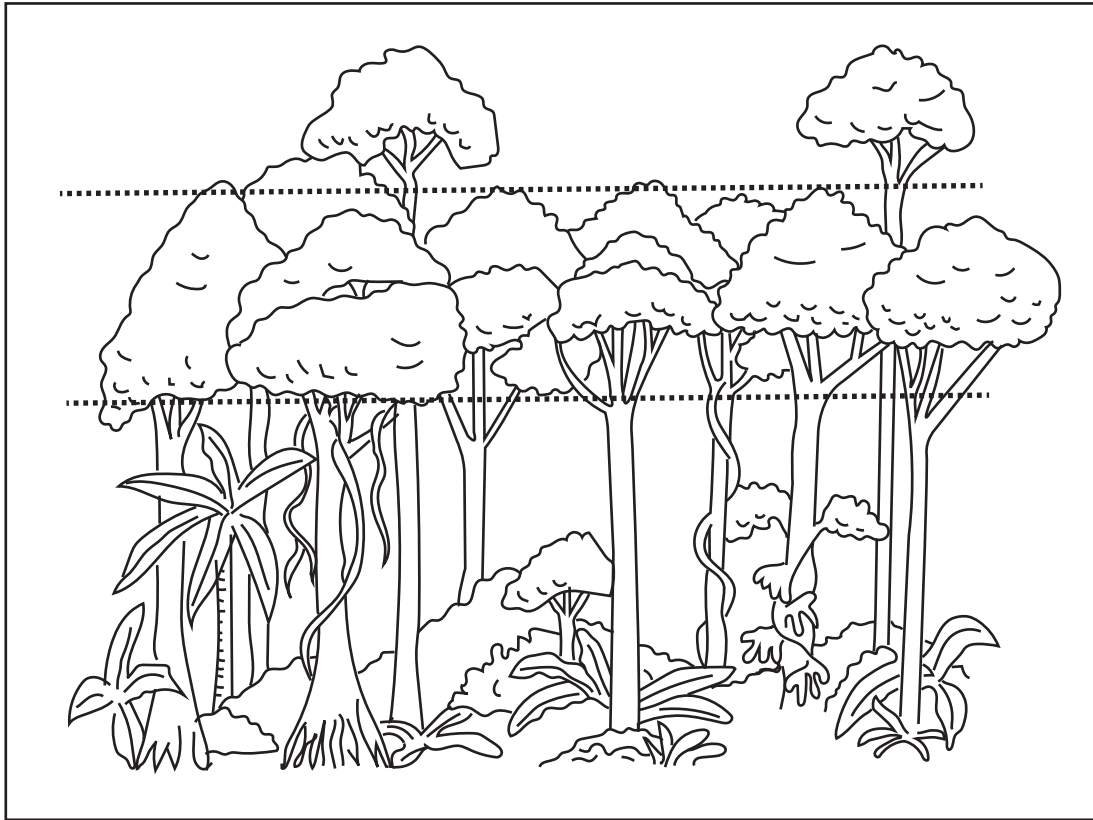


Fig. 2

(i) Name the climatic region where the vegetation shown in Fig. 2 is found.

..... [1]

(ii) List **two** features of the vegetation shown in Fig. 2.

1.....

2..... [2]

(iii) List any **two** climatic factors influencing the vegetation of the natural region shown in Fig. 2.

1.....

2..... [2]

[Total: 10 marks]

4 (a) Study Fig. 3 which shows a settlement pattern of a village.

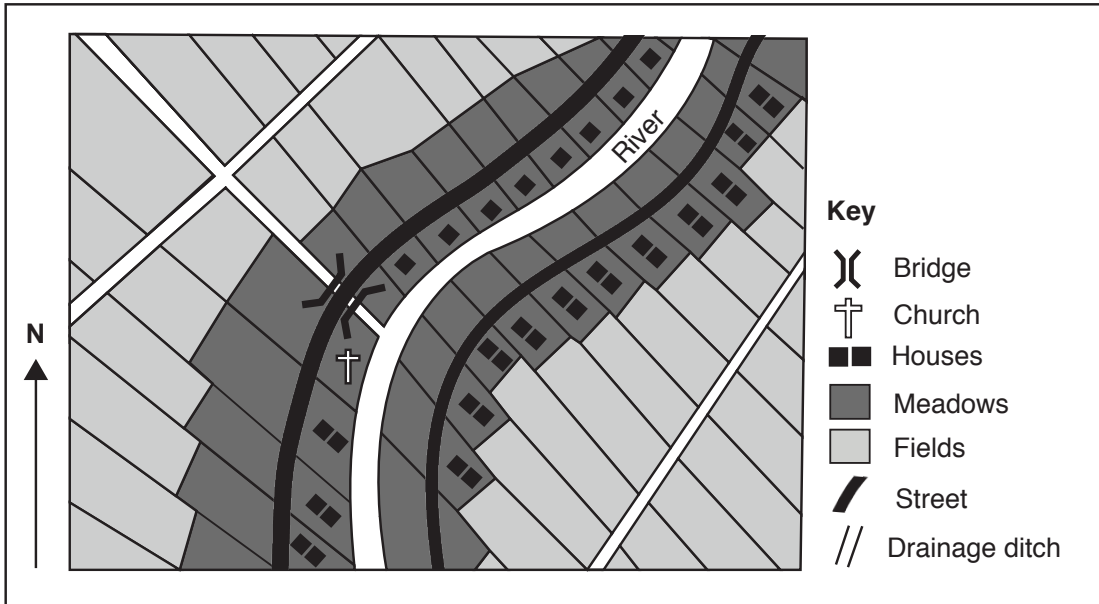


Fig. 3

- (i) Name the settlement pattern shown in Fig. 3.
 [1]
- (ii) Describe the settlement pattern shown in Fig. 3.
 [1]
- (iii) Give **two** reasons for the development of the settlement pattern shown in Fig. 3.
 1.....

 2.....
 [2]
- (iv) State **one** reason why there are no settlements in other parts of the area shown in Fig. 3.

 [1]

(b) Study Fig. 4 which shows the population structures of two countries.

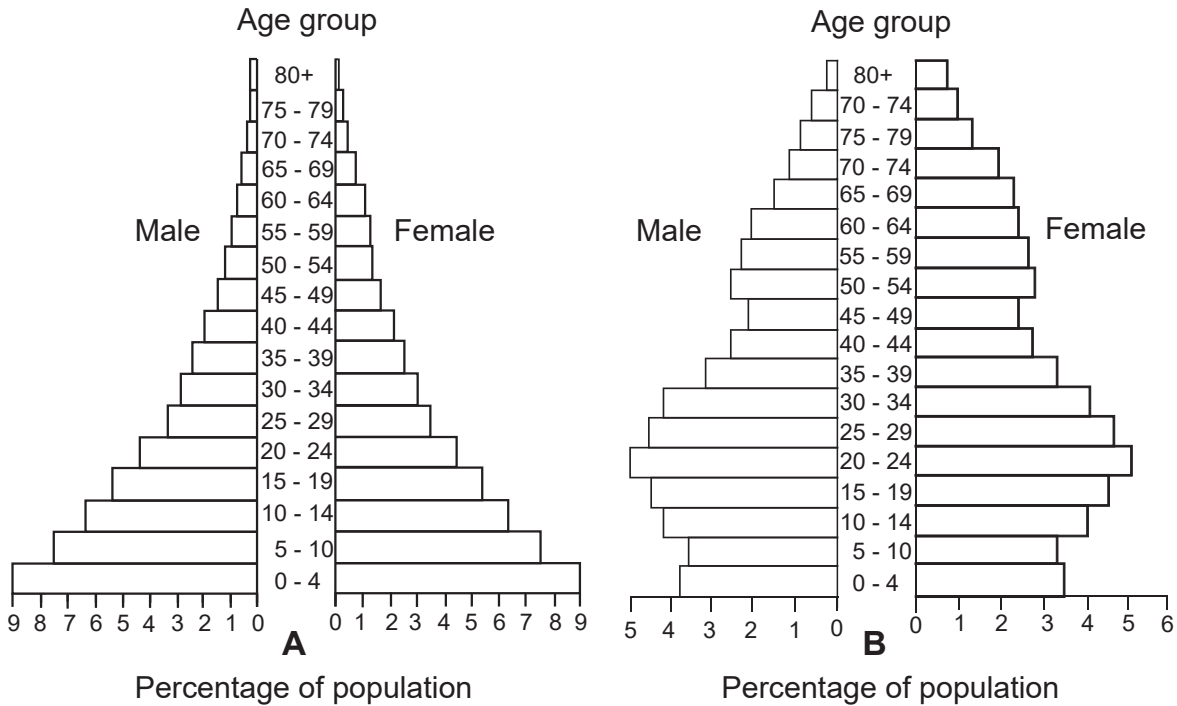


Fig. 4

- (i) Which population pyramid shows the population structure of developing countries?
..... [1]
- (ii) What is the percentage of males aged 5-9 years in the population pyramid marked **B**?
..... [1]
- (iii) What is the total percentage of the population aged between 10-14 years in pyramid marked **A**?
..... [1]
- (iv) List **two** differences between the two population pyramids marked **A** and **B**.
1.....
.....
2.....
..... [2]

[Total: 10 marks]

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