

EXAMINATIONS COUNCIL OF ZAMBIA

Examination for General Certificate of Education Ordinary Level

Geography

2218/1

Paper 1

2020

1:50 000 Survey Map is enclosed with this question paper

Additional materials:

Multiple Choice answer card

Soft pencil (type B or HB is recommended)

Time: 1 hour 30 minutes

Marks: 50

Instructions to Candidates

- 1 Ensure that the **centre number** and your **examination number** have been correctly printed on the **Answer Card** provided.
- 2 There are **fifty** questions in this paper. Answer **all** the questions. For each question, there are **four** possible answers, **A, B, C** and **D**. Choose the **one** you consider correct and shade your choice in clear pencil on the separate **Answer Card**.
- 3 Read the instructions very carefully on the answer card provided.

Information for Candidates

- 1 Each correct answer will score **one** mark. A mark will **not** be deducted for any wrong answer.
- 2 **Cell phones and calculators are not allowed in the examination room.**

DO NOT OPEN THIS QUESTION PAPER UNTIL YOU ARE TOLD TO DO SO.

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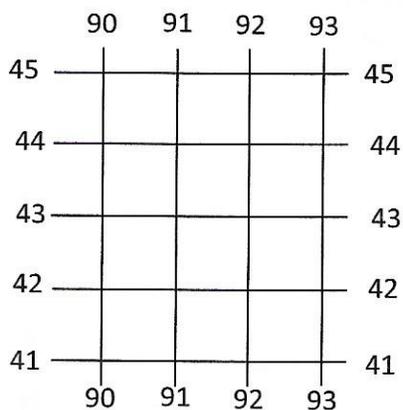
SECTION A: MAP WORK AND BASIC TECHNIQUES

Questions 1 to 12 are based on the 1:50 000 map extract of **Zvishavane town (Zimbabwe)**.

- 1 What is the six figure grid reference for the Ruins found in Zvishavane town?
A 426 964
B 501 938
C 938 501
D 964 426
- 2 What natural feature is found in grid square 9943?
A Confluence
B Farm
C Mine dump
D Weir
- 3 What is the direction of the van Bredas Dam in grid square 9651 from the Golf course south of Zvishavane Town?
A North East
B North West
C South East
D South West
- 4 According to map evidence, which activity does **not** take place along the Shavi River?
A Farming
B Fishing
C Mining
D Sports
- 5 What is the distance along the Cadastral boundary from the Trigonometrical station in grid square 9749 to grid reference 010523?
A 6 400 metres
B 5 400 metres
C 4 400 metres
D 3 400 metres
- 6 Calculate the gradient along the Cadastral boundary from the Trigonometrical Station in grid square 9749 to the edge of the map in grid square 0152.
A 1 in 6
B 1 in 12
C 1 in 18
D 1 in 24

- 7 What is the main economic activity in Zvishavane Town?
A Mining
B Tourism
C Trade
D Transport
- 8 Why is there no settlement and farming south west of Zvishavane? The area ...
A has no water.
B is hilly.
C is not accessible.
D lies in a thick forest.
- 9 The presence of ... on the map is the evidence that livestock rearing is practiced in Zvishavane.
A vegetation
B farms
C dip tanks
D dams
- 10 In which grid square is the burial site for Zvishavane Town?
A 9249
B 9252
C 9642
D 9748

Study the map extract below and answer question 11.



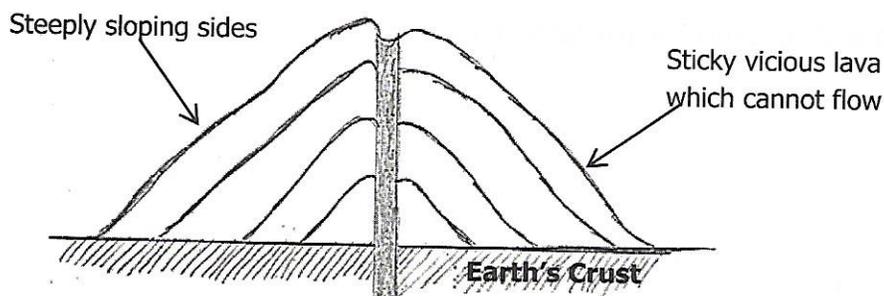
- 11 What is the dominant drainage pattern in the shown extract?
A Dendritic
B Radial
C Trellised
D Rectangular

- 12 According to map evidence, which service is **not** offered in Zvishavane?
- A Air transport
 - B Education
 - C Health
 - D Security

SECTION B: ELEMENTS OF PHYSICAL GEOGRAPHY

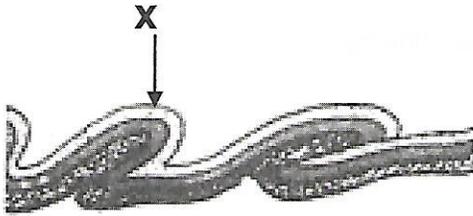
- 13 On 21st March, Alaska (64.2°N) experiences ...
- A 24 hours of daylight.
 - B equal day and night.
 - C longer days and shorter nights.
 - D longer nights and shorter days.
- 14 A jet destined for place Y (165°E) leaves Accra (0°) at 06 00hours GMT and takes an hour to fly every 30° . At this speed, what would be the local time at place Y when the jet arrives?
- A 05 30 hours
 - B 11 30 hours
 - C 12 30 hours
 - D 22 30 hours

Study the diagram below and answer question 15.



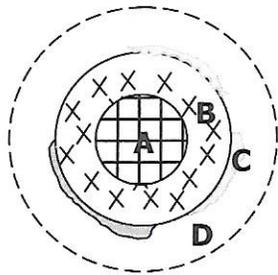
- 15 The feature shown above is ...
- A a basic lava cone.
 - B a composite cone.
 - C an acid lava cone.
 - D an ash and under cone.
- 16 In volcanism, rocks below the earth's crust exist in a molten state called magma because of very ...
- A high latitude.
 - B high pressure.
 - C low pressure.
 - D low temperature.

Study the diagram below and answer question 17.



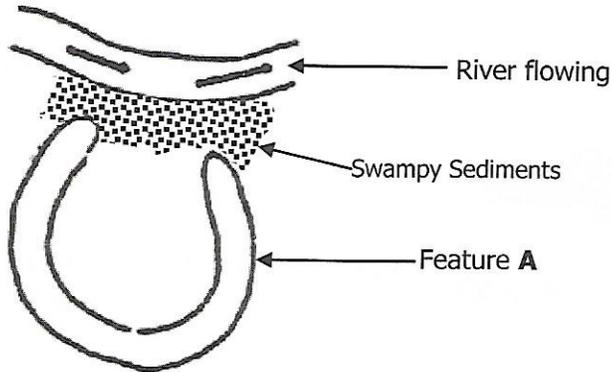
- 17 What type of folding is represented at **X**?
- A Nappe
 - B Normal fold
 - C Recumbent fold
 - D Reverse fold

Study the diagram of the earth's structure and answer question 18.



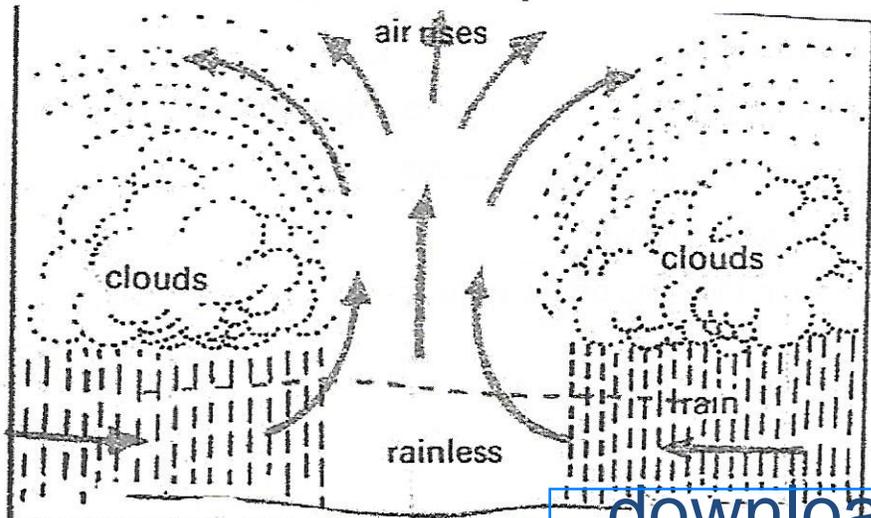
- 18 Which of the labelled parts **A, B, C or D** makes up the continents?
- A A
 - B B
 - C C
 - D D
- 19 Waterfalls are **not** formed when a ...
- A bar of resistant rock lies transversely across a river valley.
 - B river capture occurs at the head of a stream.
 - C river descends a hanging valley.
 - D river plunges down the edge of a plateau.

Study the diagram below and answer question 20.



- 20 Feature A is formed as a result of the ...
- A inside bend of a river bank being eroded rapidly.
 - B outside bend of a river bank being eroded rapidly.
 - C rapid erosion of the river banks.
 - D rapid erosion of the river beds.
- 21 A geyser is best described as ...
- A a fountain of super heated steam.
 - B an explosion of volcanic vapour.
 - C a pool of hot water.
 - D a thermal steam.
- 22 Chemical weathering mostly occurs ...
- A in acid deserts.
 - B in humid tropical areas.
 - C where there are high winds.
 - D within the Arctic Circle.
- 23 Landslides usually occur ...
- A where man has artificially steepened slopes.
 - B when the soil is completely saturated with water.
 - C with a slow, gradual but continuous movement of soil downhill.
 - D with repeated temperature changes on the land.

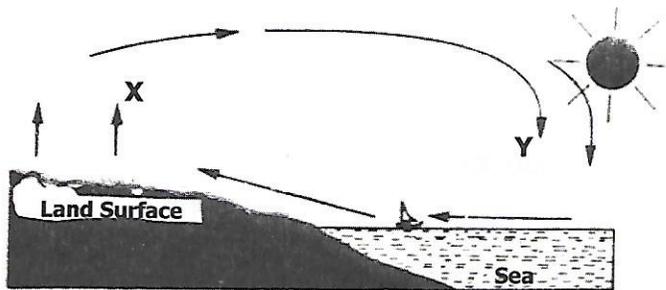
Study the diagram below and answer question 24.



24 The diagram shows a ...

- A Hurricane.
- B Tornado.
- C Tsunami.
- D Typhoon.

25 The diagram below shows a sea breeze during the day. What is happening at X and Y?

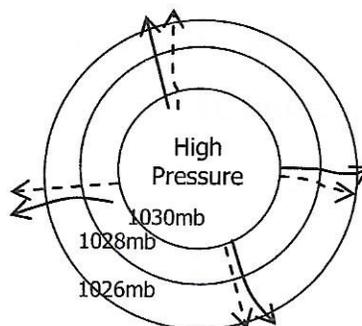


- | | X | Y |
|---|---------------------|---------------------|
| A | Warm air descending | Cold air rising |
| B | Warm air rising | Warm air descending |
| C | Cold air descending | Warm air descending |
| D | Warm air rising | Cold air descending |

26 There is little undergrowth in the Equatorial Rain Forest because ...

- A it rains all year round.
- B of uniform high temperature.
- C there is less sunlight reaching the ground.
- D the soil is less fertile.

Study the map diagram of a tropical cyclone in Southern Hemisphere.



27 In which direction is the wind likely to be deflected to?

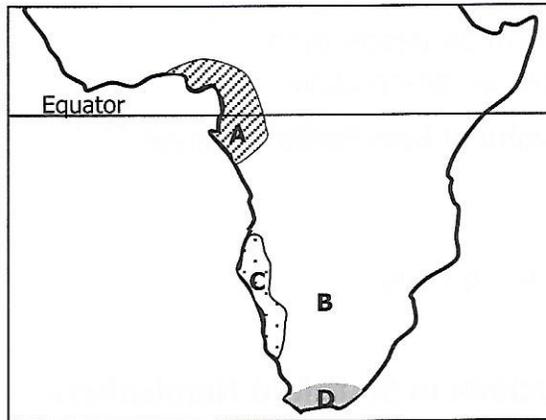
- A Centre
- B Left
- C Right
- D Sideward

Study the climatic data for station X shown below and answer questions 28 and 29.

Month	J	F	M	A	M	J	J	A	S	O	N	D
Temp (°C)	14	14	15	15	14	14	14	14	14	14	14	14
Prep (mm)	94	89	124	244	165	81	66	84	74	213	244	142

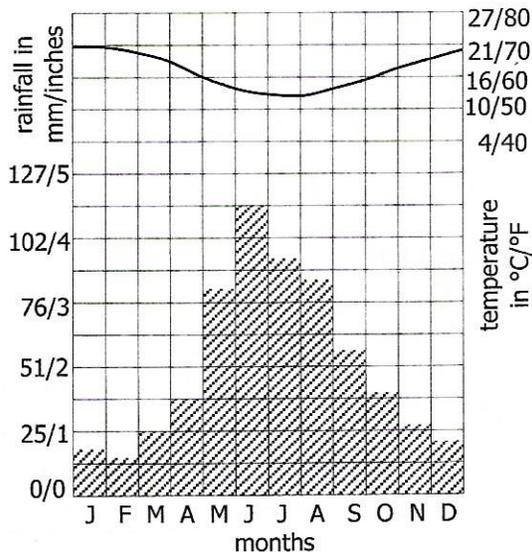
- 28 In which climatic region is station X located?
- A Continental
 - B Equatorial
 - C Mediterranean
 - D Savannah
- 29 What is the range of temperature for station X?
- A 1°C
 - B 14°C
 - C 29°C
 - D 171°C

Study the map below and answer question 30.



- 30 Which of the labelled regions A, B, C or D receives rainfall in winter?

Study the chart below and answer question 31.

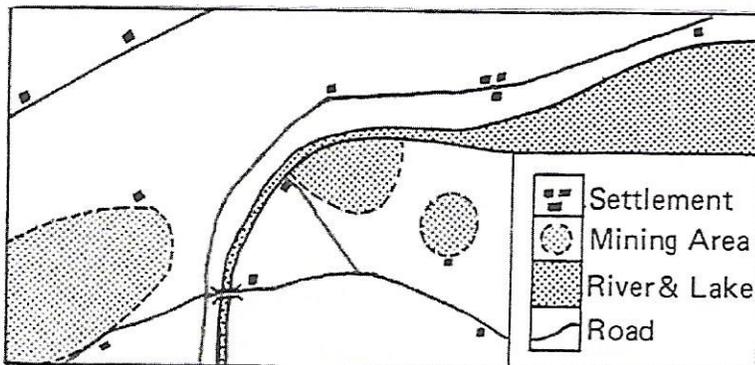


- 31 What climatic region is represented by the diagram?
- A Equatorial
 - B Hot desert
 - C Mediterranean
 - D Tropical grassland
- 32 The importance of an Isohel is that it indicates areas with equal ...
- A cloud cover.
 - B pressure.
 - C rainfall.
 - D sunshine.

SECTION C: ELEMENTS OF WORLD HUMAN GEOGRAPHY

- 33 An area whose natural resources can no longer support its inhabitants is said to be ...
- A over developed.
 - B over populated.
 - C under developed.
 - D under populated.
- 34 The equatorial regions are sparsely populated because ...
- A of dangerous animals.
 - B of primitive people who live there.
 - C of thick forests.
 - D soils are not good for agriculture.

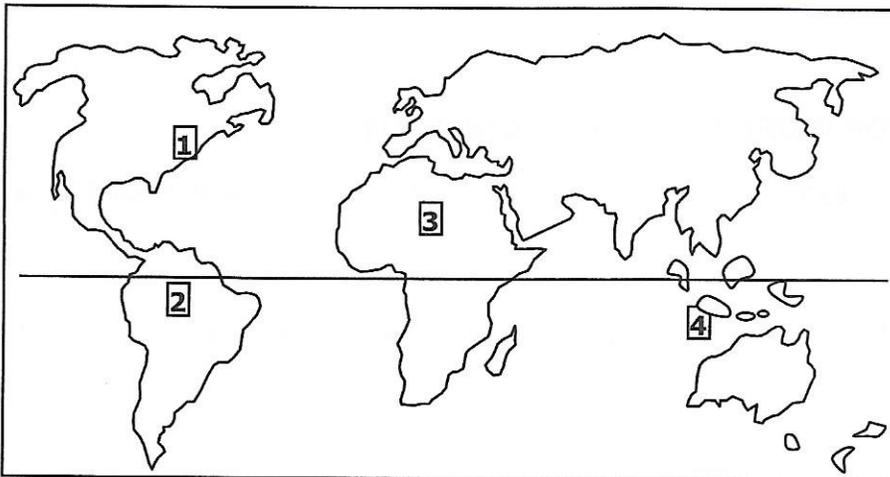
Study the diagram below and answer question 35.



- 35 The type of settlement pattern depicted in the diagram is ...
- A block.
 - B dispersed.
 - C linear.
 - D nucleated.

- 36 A town whose area covers 30,000 km² had an estimated population of 1,920,000 people. What is the population density for the town? ... people per square kilometre.
- A 15
 - B 16
 - C 46
 - D 64

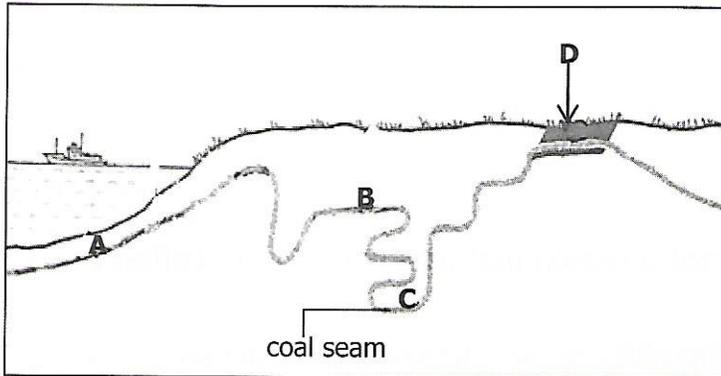
Study the map below and answer questions 37 and 38.



- 37 Which area has low population density due to adverse dry climatic conditions?
- A 1
 - B 2
 - C 3
 - D 4
- 38 In which of the numbered areas is there a high population density due to intensive agriculture?
- A 1
 - B 2
 - C 3
 - D 4
- 39 A crop that thrives in the tropics, even in areas with little moisture and can survive in day temperature of over 32°C, with an annual rainfall ranging from 1 100 to 1 780mm is ...
- A cocoa.
 - B coffee.
 - C cotton.
 - D tea.

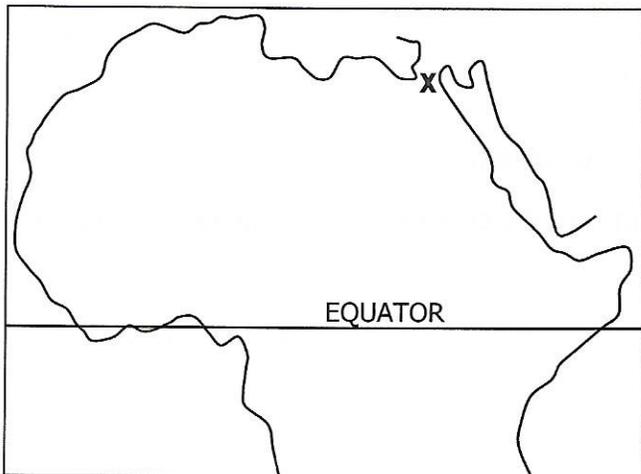
- 40 Which type of farming is largely associated with the production of cocoa, coffee and rubber?
- A Intensive farming
 - B Mixed farming
 - C Plantation farming
 - D Shifting farming
- 41 Which one of the following is **not** a reason that affects Ethiopia's coffee production potential?
- A It is difficult to access the parts of the country with fertile soil.
 - B It is difficult to sell coffee in Europe.
 - C It has high transport costs than any other country.
 - D Most coffee farmers are not trained.
- 42 Which of the following is a common feature of plantation agriculture? It ...
- A is financed by foreign capital.
 - B lacks social services for workers.
 - C is not capital intensive.
 - D provides raw materials for local industries.
- 43 Which of the following farming methods allows conservation of ground moisture and replenishing of soil nutrients?
- A Controlled grazing
 - B Fallowing
 - C Strip cropping
 - D Terracing
- 44 The world's greatest tea producer is ...
- A China.
 - B India.
 - C Indonesia.
 - D Thailand.
- 45 Shifting cultivators abandon their fields after a few years due to ...
- A improvised soils.
 - B lack of pesticides.
 - C lack of proper seeds.
 - D the use of elementary tools.
- 46 The reason why countries prefer to have petroleum refineries in their own countries and not at the port of import is because ...
- A pipeline transportation of crude oil is cheaper.
 - B filtering of by-products is much higher.
 - C port of import charges are higher.
 - D these are higher economic multiplier effects.

Study the diagram below and answer question 47.



47 At what point would mining be most expensive, A, B, C or D?

Study the map below and answer question 48.



X H.E.P Station

48 What hydroelectric power station is shown on the map?

- A Aswan H.E.P
- B Owen H.E.P
- C Sennar H.E.P
- D Volta H.E.P

49 Africa has vast water resources but has not developed in the area of Hydro Electric power. This is because ...

- A most rivers dry up during the year.
- B of lack of capital to invest in H.E.P.
- C of lack of skilled man power.
- D of poor government policy.

50 The following are sources of fuel and power. Which one is **not** a fossil fuel?

- A Coal
- B Geo Thermal
- C Natural gas
- D Petroleum