

EXAMINATIONS COUNCIL OF ZAMBIA

Examination for School Certificate 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

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- 1 Ensure that the **centre number** and your **examination number** have been correctly printed on the **Answer Card** provided.
- 2 There are **fifty (50)** 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 on the answer card very carefully.

Information for Candidates

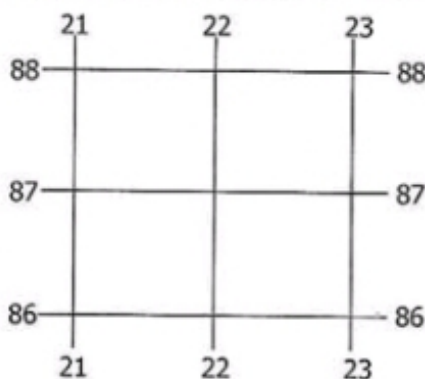
- 1 Each correct answer will score **one** mark. A mark will **not** be deducted for any wrong answer.
- 2 **Cell phones and calculators are not allowed in the examination room.**

SECTION A: MAP WORK AND BASIC TECHNIQUES

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

- 1 What is the six figure grid reference of Chiswingo Ruins in the South Western part of the map?
A 162 777
B 777 162
C 787 172
D 792 187
- 2 What is the height of the summit of Danga Hill in grid square 1679?
A 9622.6 metres
B 8307.0 metres
C 6991.4 metres
D 1315.8 metres
- 3 Which one of the squares has the most concentration of huts?
A 1781
B 1780
C 1779
D 1778
- 4 Find the distance along River Poto from the western edge of the map up to the bridge in grid square 1780.
A 2.0 kilometres
B 3.0 kilometres
C 4.0 kilometres
D 5.0 kilometres
- 5 The Mazowe River generally flows from ...
A north east to south west.
B south west to north east.
C north to south.
D east to west.

Study the map extract below and answer question 6.



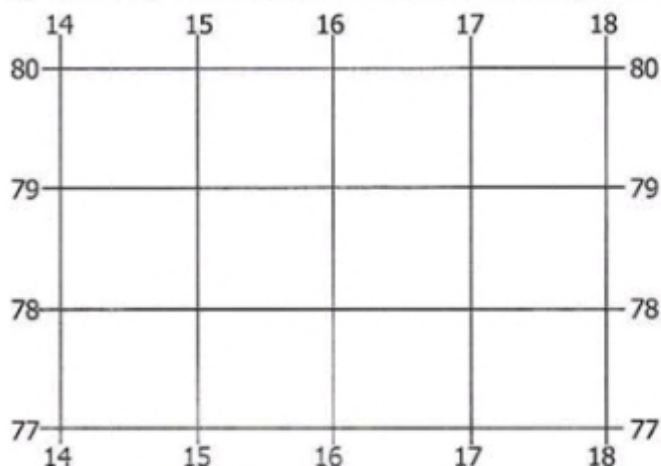
- 6 According to map evidence, which one of the following services is **not** offered in the map extract?
A Recreation services
B Sanitation services
C Education services
D Security services

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7 What is the main economic activity for Bindura?

- A Tourism
- B Lumbering
- C Fishing
- D Farming

Study the map extract below and answer question 8.



8 Which of the following physical features is found in the above map extract?

- A Divide
- B Flood plains
- C Interlocking spurs
- D Waterfalls

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9 Which of the following features is **not** found in grid square 1780?

- A Bridge
- B Confluence
- C Reservoir
- D Settlement

10 What is the main vegetation type found in the central part of Bindura?

- A Dense bush
- B Forest
- C Medium bush
- D Sparse bush

11 The dominant drainage pattern in the map extract of Bindura is generally ...

- A dendritic.
- B trellis.
- C radial.
- D rectangular.

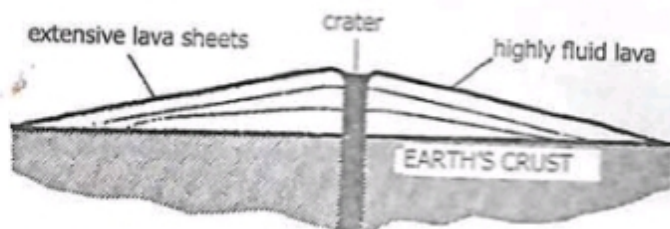
12 The settlement pattern south of grid line 80 is ...

- A clustered.
- B dispersed.
- C linear.
- D scattered.

SECTION B: ELEMENTS OF PHYSICAL GEOGRAPHY

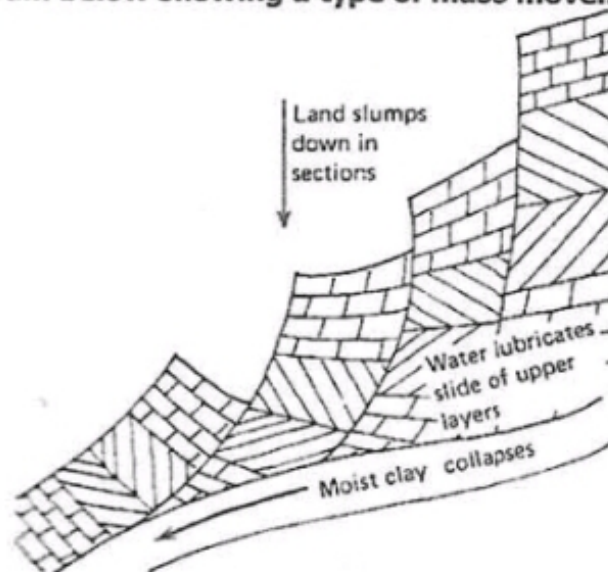
- 13** Which of the following latitudes is the longest?
- A 29°S
 - B 51°N
 - C 60°S
 - D 79°N
- 14** A jet started off from London longitude 0° at 2:00 p.m. for Lusaka longitude 30°E and took 2 hours 40 minutes to reach Lusaka. At what time did the jet arrive in Lusaka?
- A 6:00 p.m
 - B 6:40 p.m
 - C 7:00 p.m
 - D 7:40 p.m
- 15** At which angle is the earth's axis inclined resulting in the change of seasons and length of day?
- A $23\frac{1}{2}^\circ$
 - B $66\frac{1}{2}^\circ$
 - C 90°
 - D 360°

Study the diagram below and answer question 17.



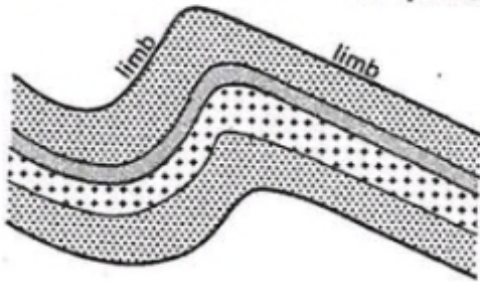
- 16** Which of the following would be a positive impact of the aftermath of the feature above?
- A Availability of fertile soils
 - B Availability of fish in nearby streams
 - C Destruction of vegetation
 - D Relocation of wild animals
- 17** The hot lavas that are highly fluid, rich in iron and magnesium are called ...
- A acid lava.
 - B basic lava.
 - C cinder cones.
 - D lava plains.
- 18** A seismography is used to determine the ...
- A magnitude of the earthquake.
 - B intensity of the earthquake.
 - C source of earthquake.
 - D thickness of the earthquake.

Study the diagram below showing a type of mass movement and answer question 19.



- 19 What type of mass movement is shown in the diagram above?
- A Solifluction
 - B Soil flow
 - C Soil creep
 - D Landslide
- 20 Which one of the following is **not** a characteristic feature of a youthful valley?
- A Ox-bow lake
 - B Pot holes
 - C V-shaped valley
 - D Waterfall
- 21 Which of the following is **not** an agent of weathering?
- A Waterfalls
 - B Tsunami
 - C Animals
 - D Air pressure
- 22 Which one of the following features of erosion is commonly found in the lower course of a river?
- A Cataract
 - B Distributary
 - C Interlocking Spur
 - D River capture
- 23 The volcanoes that have erupted before and still have potential to erupt in future are referred to as ...
- A active.
 - B dormant.
 - C extinct.
 - D viscous.

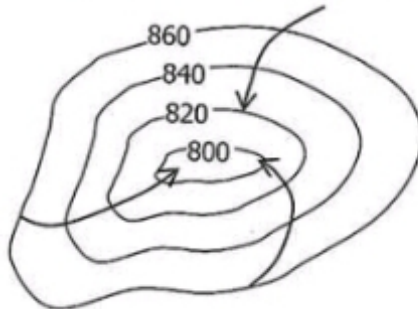
Study the diagram below and answer question 24.



- 24 The diagram above shows the formation of ...
- A a recumbent fold.
 - B a simple fold.
 - C an asymmetric fold.
 - D an overfold.
- 25 The low pressure belt along the Equator is referred to as ...
- A doldrums.
 - B horse latitude.
 - C polar high.
 - D temperate latitude.
- 26 The rate of decrease in temperature with altitude is called ...
- A convection.
 - B lapse rate.
 - C insolation.
 - D solar radiation.

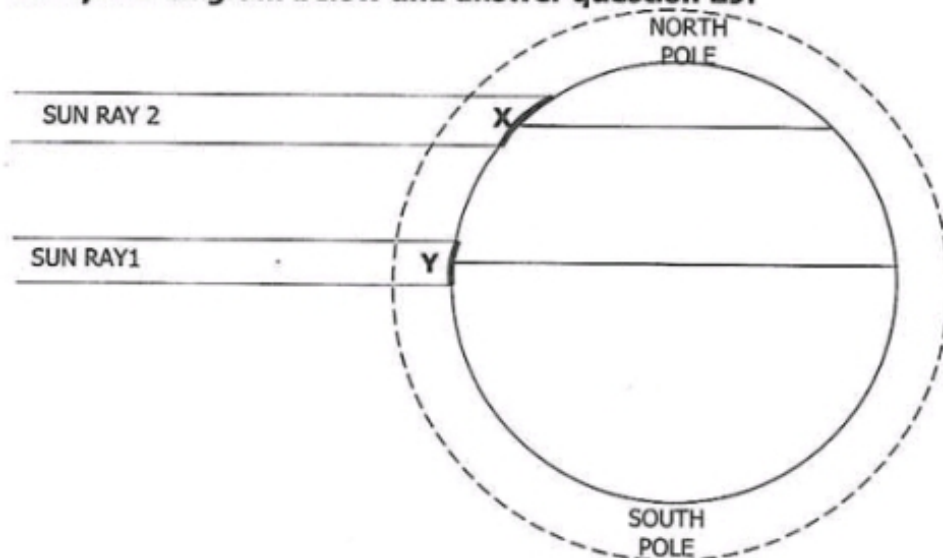
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Study the diagram below showing a cyclone and answer question 27.



- 27 In which hemisphere is the cyclone above found?
- A Along 0° latitude
 - B Along 60° north latitude
 - C Along 60° south latitude
 - D Around polar regions
- 28 What type of rainfall results from the meeting of two different air masses?
- A Acid rain
 - B Convictional rain
 - C Frontal rain
 - D Orographic rain

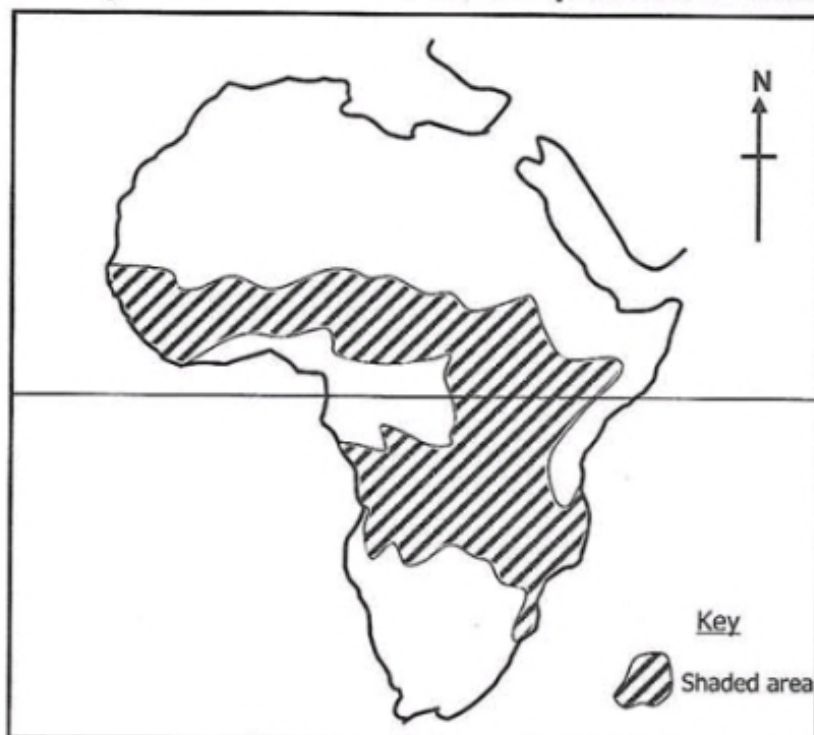
Study the diagram below and answer question 29.



- 29 Area X experiences lower temperatures than Y due to ...
- A high latitude.
 - B low latitude.
 - C high rainfall.
 - D low rainfall.
- 30 Which one of the following is **not** a characteristic of the vegetation of the equatorial region?
- A Cone shaped trees
 - B Evergreen broad leaved
 - C Layer growth arrangement
 - D Little undergrowth

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Study the map of Africa below and answer questions 31 and 32.



- 31 The shaded climatic region on the map is ...
A Equatorial.
B Hot desert.
C Mediterranean.
D Savannah.
- 32 The following are the characteristics of the vegetation of the shaded area **except** ...
A trees are umbrella shaped.
B trees do not shed their leaves.
C trees have big trunks.
D trees have long tap roots.

SECTION C: ELEMENTS OF WORLD HUMAN GEOGRAPHY

- 33 Which country below has the highest population?
A China
B India
C Indonesia
D Japan
- 34 The following are factors influencing population distribution. Which one of them is a physical factor?
A Government policy
B Rainfall
C Relief
D Temperature
- 35 Which of the following is a characteristic of a developing country?
A High literacy levels
B Low birth rate
C Low death rate
D Low life expectancy
- 36 The term used to describe an increase in the number of people living in towns and cities is ...
A conurbation.
B urban drift.
C urbanisation.
D urban sprawl.
- 37 Why are some of the areas in the arid regions highly populated?
A Availability of animals and fruits
B Availability of camels
C Developed transport system
D Presence of oasis

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- 38 Fertility rate refers to the ...
A average number of children a woman is able to have during her child bearing age.
B average number of children born alive by a woman.
C number of children born dead by a woman.
D number of years a woman stays without having a child.
- 39 Which of the following crops is a fibre?
A Barley
B Coffee
C Cotton
D Rubber
- 40 Which of the following farming techniques is sustainable in nature?
A Chitemene farming
B Commercial farming
C Conservative farming
D Strip farming
- 41 A type of agriculture is said to keep soils at high fertility levels, practised in densely populated areas with subsequently high yields per hectare. What type of agriculture is this?
A Extensive mechanised agriculture
B Intensive subsistence agriculture
C Plantation agriculture
D Primitive subsistence agriculture
- 42 Which one of the following countries is known as the corn belt?
A America
B Brazil
C France
D South Africa
- 43 It is a universal beverage and widely consumed. Which of the following crops is referred to in this statement?
A Cocoa
B Coffee
C Millet
D Tea
- 44 Which of the following agriculture activities is commonly practised near urban areas?
A Cattle ranching
B Cereal cultivation
C Dairy farming
D Plantation farming

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- 45 To help replenish soil fertility, which one of the following farming techniques would be mostly appropriate?
- A Cover cropping
 - B Crop rotation
 - C Mulching
 - D Terracing
- 46 The largest supply of electricity in the world comes from ...
- A geo thermal.
 - B hydro.
 - C thermal.
 - D wind.
- 47 Which of the following sources of electricity has unlimited divisibility?
- A Biomas
 - B Hydro
 - C Thermal
 - D Wind
- 48 Coal fields are usually located ...
- A in association with igneous rocks.
 - B in association with sedimentary rocks.
 - C in industrial regions.
 - D near valleys.
- 49 The increase in the world oil prices has resulted in the following **except** ...
- A greater wealth for oil nations.
 - B high prices for manufactured goods.
 - C increase in environmental pollution.
 - D world-wide inflation.
- 50 Which use of petroleum is essential for the smooth generation of machines?
- A Lubrication
 - B Motor fuel
 - C Source of power
 - D Surfacing roads

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NUMERICAL LINES INDICATE THE 1000 METRE UNIVERSAL TRANSVERSE MERCATOR GRID, ZONE 38K MODIFIED CLARKE 1880 (S.A.) SPHEROID

Heights are in metres above Mean Sea Level

Scale 1:50000 or 2 centimetres represents 1 kilometre

Metres 1 000 0 1 2 3 4 5 6 Kilometres

REFERENCE

REFERENCE

HARARE, BINDURA

City, Town MEHERINGA, FENGA B.C.

Village, Business Centre MEHERINGA, FENGA B.C.

Boundary, International MEHERINGA, FENGA B.C.

Boundary, Original Grant MEHERINGA, FENGA B.C.

Subdivision MEHERINGA, FENGA B.C.

Road, Wide Tereed MEHERINGA, FENGA B.C.

Road, Narrow Tereed MEHERINGA, FENGA B.C.

Gravel or Earth Bridge MEHERINGA, FENGA B.C.

Other MEHERINGA, FENGA B.C.

Track, Cut Line or Game Trail MEHERINGA, FENGA B.C.

Airports Landing Area MEHERINGA, FENGA B.C.

Railway, with Embankment, Cutting, Tunnel MEHERINGA, FENGA B.C.

Marl MEHERINGA, FENGA B.C.

Trigonometrical Station and height in metres to top of pillar MEHERINGA, FENGA B.C.

International Boundary Beacon, Magnetic Station, MEHERINGA, FENGA B.C.

Unmarked Spot Heights Ground Survey, Photogrammetric, MEHERINGA, FENGA B.C.

Powerline, 23kV and above, approximately aligned, MEHERINGA, FENGA B.C.

Heils, Soil Quarters, MEHERINGA, FENGA B.C.

Build-up Area, Buildings, MEHERINGA, FENGA B.C.

Church MEHERINGA, FENGA B.C.

Dip Tank MEHERINGA, FENGA B.C.

High Water MEHERINGA, FENGA B.C.

State Name MEHERINGA, FENGA B.C.

National Monument or Place of Historical Interest MEHERINGA, FENGA B.C.

Police Station, Post Office, Post and Telegraph Agency MEHERINGA, FENGA B.C.

District Administration Office MEHERINGA, FENGA B.C.

DOMBOSHAWA

Copper Quatern

FC 70 71A

70 71A

International

Administrative Double

Designated Area

Interventive Conservation Area

Rural and Flood Council Areas

BOUNDARY DIAGRAM REFERENCE

River Watercourse	
Dam	
Lake	
Post Small, Large, Warehouse	
Rapid, Waterfall	
Well, Siphon, Borehole, Windmill, Reservoir	
Furrow, Pipeline	
Seasonal Marsh	
Contours at 20 metre Vertical Interval, with Contour Feature	
Depression, Sand	
Isolated Hill Feature that does not take a contour	
Cultivation	
Smooth Rock	
Mining or Prospecting Trench, Mine Dump, Quarry or Excavation	
Very Dense Bush, Dense Bush	
Medium Bush	
Scrub Bush, Open Grassland	
Orchard or Plantation	

Six colours should appear below. If not then please return to the Inspector.

