

EXAMINATIONS COUNCIL OF ZAMBIA



Examination for General Certificate of Education Ordinary Level

Geography

2218/1

Paper 1

Thursday

3 AUGUST 2023

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

Additional materials:

Multiple Choice Answer Sheet

Soft pencil (type B or HB is recommended)

Soft eraser

Time: 1 hour 30 minutes

Marks: 50

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Instructions to Candidates

1. Ensure that **your name, the school/centre name and subject paper, subject code, paper number, centre code, your examination number and the year** are correctly printed and shaded on the **Answer Sheet provided**.
2. There are **fifty (50)** questions in this paper. Answer **all** the questions.
3. For each question, there are **four** possible answers, **A, B, C and D**. Choose the **one** you consider correct and shade your choice using a **soft pencil** on the separate **Answer Sheet**.
4. Read the instructions on the **Answer Sheet** 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, calculators and other electronic devices 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 Glendale Village (Zimbabwe).

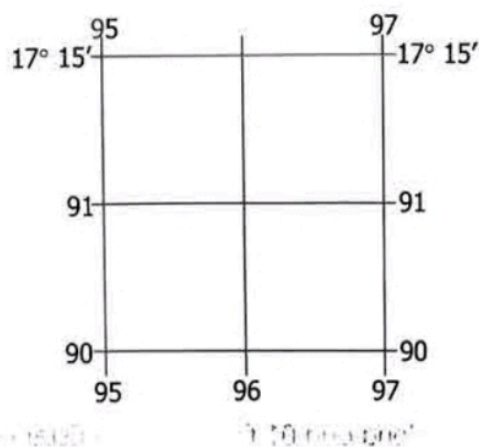
- 1** Find the six figure grid reference of the unmarked spot height 1127 located north east of Glendale Village.
A 002 897
B 017 902
C 897 002
D 017 902
- 2** What is the approximate distance of the Murowodzi River from the foot bridge along grid 92 to the confluence with the Mwenje River?
A 3.0 kilometres
B 3.5 kilometres
C 4.2 kilometres
D 4.8 kilometres
- 3** What is the bearing of Rocky Spruit along grid 01 from Virginia Estate?
A 45°
B 65°
C 115°
D 245°
- 4** Find the area covered by the Mwenje Dam.
A 1.5km²
B 2.0km²
C 2.5km²
D 3.0km²
- 5** According to map evidence, what crops are grown south of Glendale Village?
A Fruits
B Maize
C Tobacco
D Wheat
- 6** What is the dominant vegetation type found on the mountain range?
A Dense bush
B Medium bush
C Open grassland
D Very dense bush
- 7** The settlement pattern for Glendale Village is ...
A cluster.
B isolated.
C linear.
D sparse.

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8 According to map evidence, what economic activity is offered by Glendale village?

- A Agro-forestry
- B Farming
- C Fishing
- D Water transport

Study the map extract and answer question 9.



9 What physical feature is found in the map extract?

- A Furrow
- B Seasonal marsh
- C Spring
- D Water fall

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10 According to map evidence, the following services are offered by Glendale village **except**

...

- A education.
- B health.
- C recreation.
- D security.

11 What is the Vertical Interval of map extract of Glendale village?

- A 10 meters
- B 20 meters
- C 30 meters
- D 40 meters

12 Why was an embankment built east of Glendale village? To ...

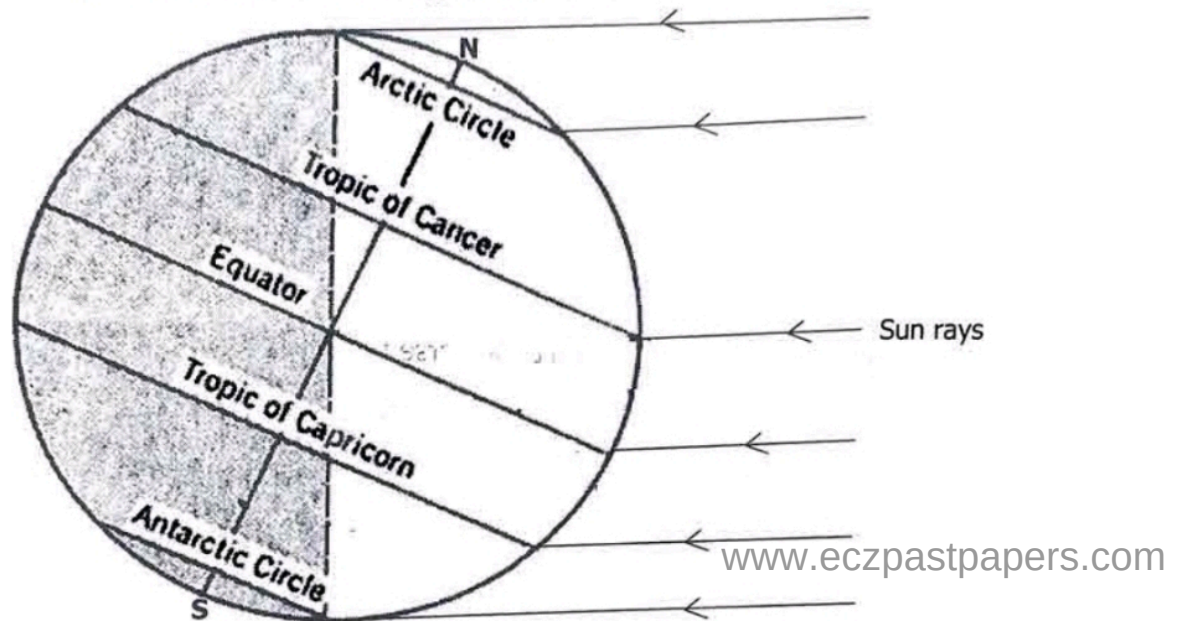
- A connect the river and the railway line.
- B create a tourist attraction near the road.
- C protect the surrounding villages from the train.
- D raise the ground over the river to promote smooth railway passage.

SECTION B: ELEMENTS OF PHYSICAL GEOGRAPHY

13 The stars occur in clusters called ...

- A Nebulas.
- B Planets.
- ☒ C Satellites.
- D Solar system.

Study the following diagram and answer question 14.



14 Which date does the diagram represent?

- A 21st March
- ☒ B 21st June
- C 22nd December
- D 23rd September

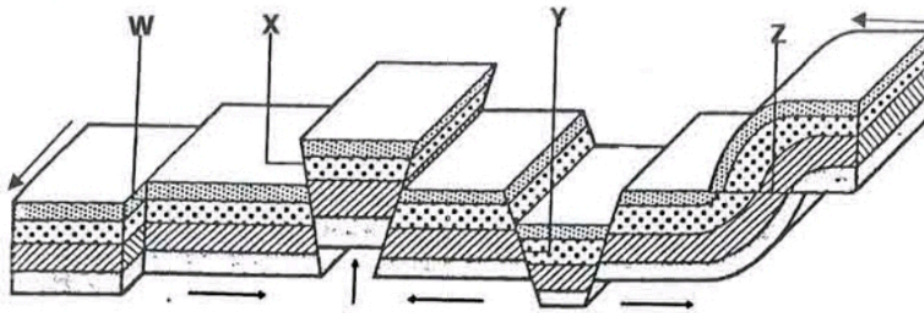
15 What is the angle of elevation of the midday sun of a place on latitude 36°N on 21st June?

- A 15.5°
- ☒ B 54.0°
- C 59.5°
- D 77.5°

16 The other name for volcanic mountains is ...

- ☒ A block mountain.
- ☒ B fold mountain.
- C mountains of accumulation.
- D residual mountain.

Study the diagram and answer question 17.



17 Which one of the following names the features correctly?

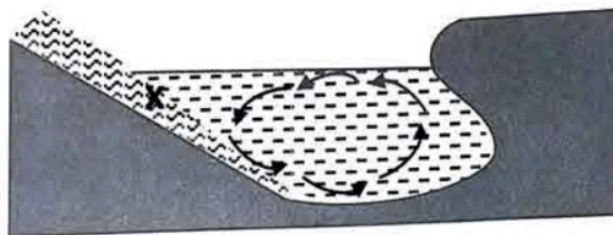
	W	X	Y	Z
A	Normal fault	Thrust fault	Tear fault	Reverse fault
B	Reverse fault	Tear fault	Normal fault	Thrust fault
C	Tear fault	Reverse fault	Normal fault	Thrust fault
D	Thrust fault	Normal fault	Reverse fault	Tear fault

18 The volcanoes that are known to erupt and show signs of eruption in future are called ... volcanoes.

- A active
- B dormant
- C ☒ extinct
- D extrusive

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Study the following diagram showing a cross section of a river and answer question 19.



19 What feature is labelled X?

- A Slip off slope
- B River meander
- C ☒ River cliff
- D Flood plain

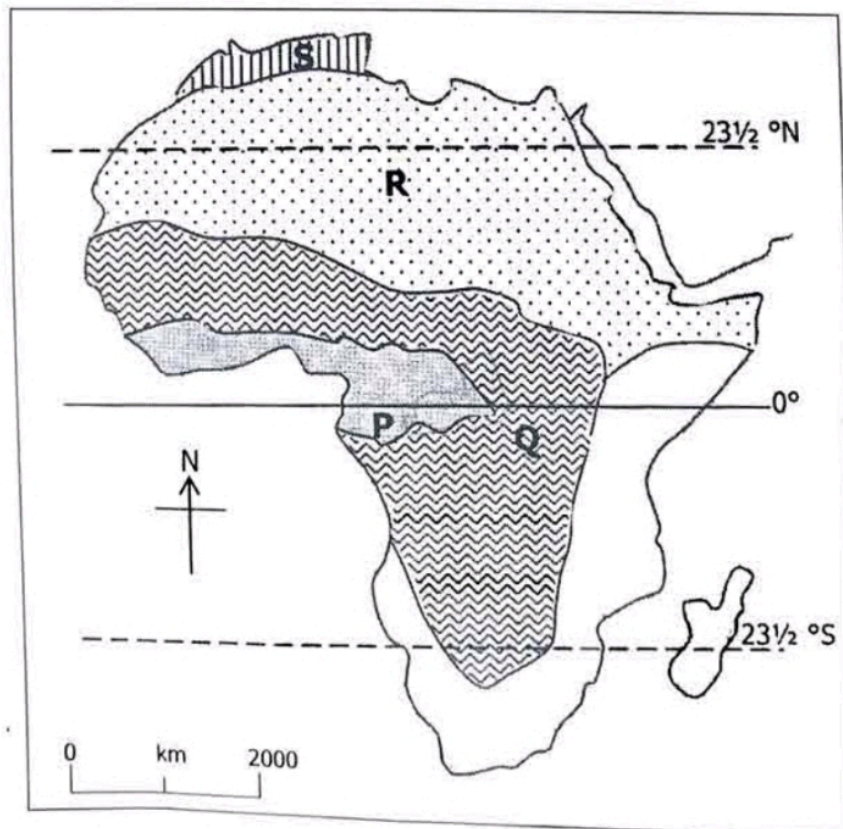
20 Which one of the following is an extrusive landform of volcanic activity?

- A ☒ Cone
- B Dyke
- C Laccolith
- D Sill

- 21 Which one of the following features is as a result of headward erosion?
- A Cataracts
 - B Delta
 - C Potholes
 - D River piracy
- 22 Which one of the following mass wasting types is **least** likely to kill people?
- A Land slides
 - B Mud flow
 - C Rock fall
 - D Soil creep
- 23 Why are some volcanic regions highly settled after eruptions? They ...
- A act as tourist attractions.
 - B create easy conditions for settlement.
 - C provide fertile soils.
 - D provide fishing grounds.
- 24 The Equatorial Vegetation has sparse undergrowth because ...
- A insects eat much of the undergrowth.
 - B less sunlight reach the ground.
 - C the soil is poor.
 - D the temperature on the ground is low.

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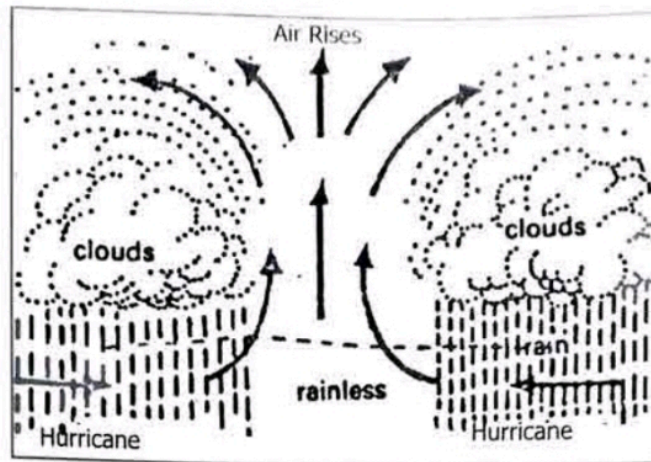
Study the map of Africa and answer question 25.



- 25 Which one of the following places **P**, **Q**, **R** and **S** experiences westerly winds in winter and offshore winds in summer?
- A **P**
 - B **Q**
 - C **R**
 - D **S**
- 26 An atmospheric region where there is intense heating with expanding air and ascending convection currents is known as ...
- A doldrums.
 - B high pressure zone.
 - C horse latitudes.
 - D westerlies.
- 27 An anticyclone in the Northern Hemisphere is a system in which winds blow ... the centre.
- A anticlockwise from
 - B anticlockwise towards
 - C clockwise from
 - D clockwise towards
- 28 A Mediterranean Climate is characterised by very dry summers because ...
- A the relative humidity is low.
 - B the skies are cloudless.
 - C there are offshore winds.
 - D there are onshore winds.
- 29 Which of the following is likely to lead to saturation of the atmosphere?
- A High rainfall
 - B High temperature
 - C Low rainfall
 - D Low temperature

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Study the diagram and answer question 30.



30 The diagram shows ...

- ☒ A anticyclone.
- ☐ B land breeze.
- ☐ C sea breeze.
- ☐ D tropical cyclone.

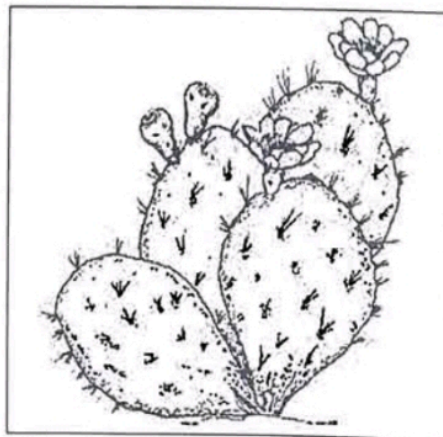
Study the following table for a certain climatic region and answer question 31.

Month	J	F	M	A	M	J	J	A	S	O	N	D
Temperature (°C)	26	26	29	33	35	36	33	39	29	39	26	23
Rainfall (mm)	0	0	0	0	25	100	201	201	15	50	10	0

31 In which geographical location is the station found? ... North and South.

- ☐ A 0° - 10°
- ☐ B 10° - 30°
- ☐ C 30° - 40°
- ☐ D 45° - 65°

Study the diagram and answer question 32.



32 In which climatic region is the plant likely to be found?

- ☒ A Hot deserts
- ☐ B Hot equatorial
- ☐ C Savanna
- ☐ D Mediterranean

SECTION C: ELEMENTS OF WORLD HUMAN GEOGRAPHY

- 33** Population density is ...
- ☒ **A** a densely populated area.
 - B** the number of children per square kilometre.
 - C** the number of people living in a geographical area.
 - D** the average number of people living per square kilometre.
- 34** Which of the following factors does **not** influence world population distribution?
- A** Boundaries
 - ☒ **B** Relief
 - C** Resources
 - D** Soils
- 35** What could be the factor for the rapid increase in population in most of the developing nations?
- A** Improved health care facilities
 - ☒ **B** Increase in prostitution
 - C** Increase in violence
 - D** Plenty of nutritional food
- 36** Which of the following is **not** responsible for expansion and growth of cities?
- A** High birth rate
 - ☒ **B** Rural-urban drift
 - C** Urban-rural drift
 - D** Urban-urban drift

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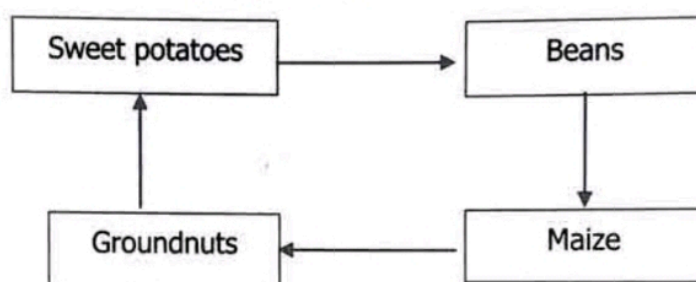
Study the following table and answer question 37.

Country	Total population	Area (km ²)
Bangladesh	152 518 015	147 570
Singapore	5 183 700	710
Rwanda	10 718 379	26 338
Belgium	11 139 292	30 528

- 37** Which one of the countries has the largest population density?
- A** Bangladesh
 - B** Belgium
 - C** Rwanda
 - ☒ **D** Singapore

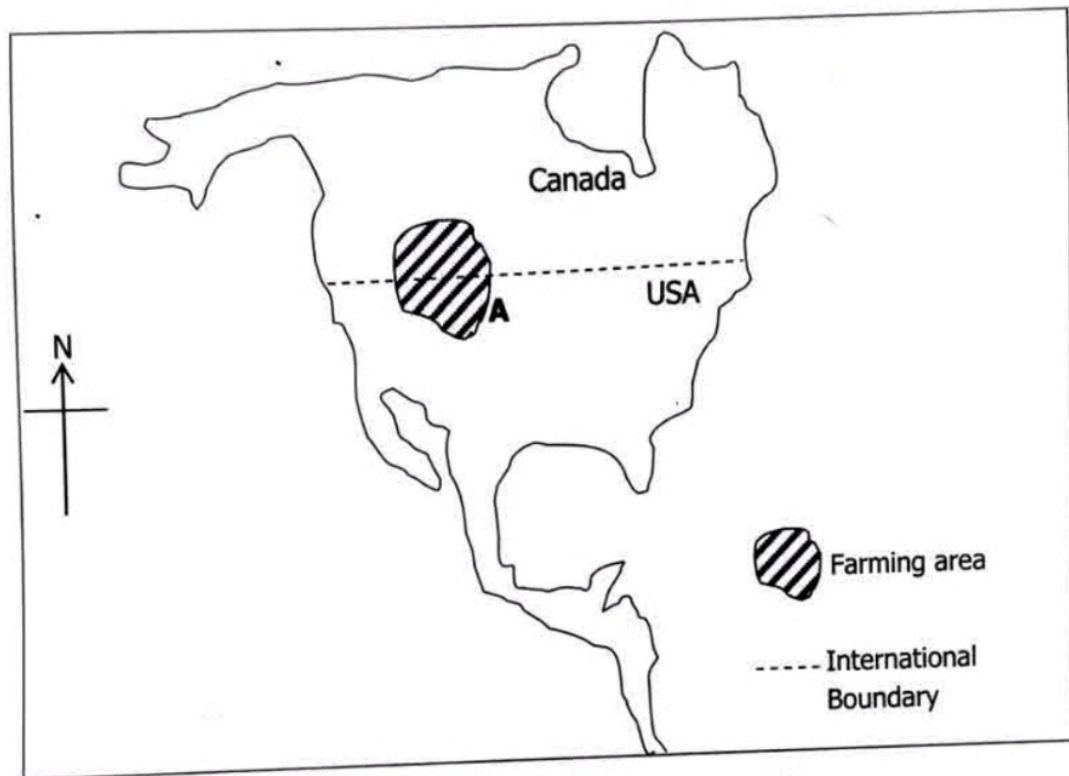
- 38 Which of the following areas has the **lowest** population?
- ☒ A Amazon basin
 - ☐ B Nile valley
 - ☐ C North Western Europe
 - ☐ D South East Asia
- 39 The following factors inhibit agricultural development on the Savannah **except** for ...
- ☐ A animal disease.
 - ☒ B drought.
 - ☐ C irrigation.
 - ☐ D soil leaching.

Study the diagram and answer question 40.



- 40 The diagram shows ...
- ☐ A bush fallowing.
 - ☒ B crop rotation.
 - ☐ C multi cropping.
 - ☐ D subsistence farming.
- 41 Viticulture is the growing of ... making.
- ☐ A coffee and beverage
 - ☒ B grapes and wine
 - ☐ C oranges and juice
 - ☐ D wheat and bread
- 42 Which one of the following agricultural types does **not** improve and conserve soil fertility?
- ☐ A Agroforestry
 - ☐ B Cover cropping
 - ☐ C Crop rotation
 - ☒ D Shifting cultivation
- 43 Identify a list of fibres.
- ☐ A Cotton, flax, silk, jute
 - ☐ B Cotton, wool, corn, rye
 - ☐ C Cotton, wool, flax, rye
 - ☐ D Cotton, wool, maize, barley

Study the map and answer question 44.



44 What crop is grown in area **A**?

- ☐ A Cocoa
- ☐ B Coffee
- ☐ C Rice
- ☒ D Wheat

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45 Which one of the following is **not** a plantation crop?

- ☐ A Cocoa
- ☐ B Coffee
- ☒ C Rye
- ☐ D Tea

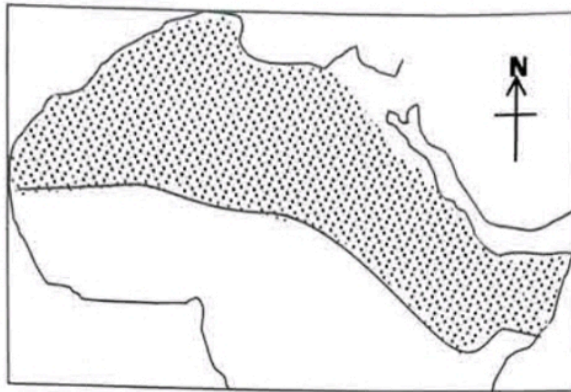
46 The energy source that provided the basis for industrial revolution is ...

- ☐ A coal.
- ☒ B hydroelectricity power.
- ☐ C petroleum.
- ☐ D solar.

47 Which one of the following types of coal is the most abundant in the world?

- ☐ A Peat
- ☐ B Lignite
- ☒ C Bituminous
- ☐ D Anthracite

Study the map and answer question 48.



48 Which one of the following types of energy has potential to be harnessed in the shaded area?

- A Hydroelectric power
- B Nuclear energy
- ☒ C Solar energy
- D Thermal energy

49 Which one is **not** a factor when considering the siting of a hydroelectric power station?

- A Large volume of water ✓
- B Steep gradient
- C Strong vertical and lateral bed rock
- D Wide plateau with flowing water

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50 All of the following are by products of petroleum **except** ...

- A bitumen.
- B gasoline.
- C kerosene.
- ☒ D peat.