(15)

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# ZIMBABWE SCHOOL EXAMINATIONS COUNCIL

**General Certificate of Education Ordinary Level**

## GEOGRAPHY 4022/1

PAPER 1 Multiple Choice

**NOVEMBER 2019 SESSION** 1 hour 15 minutes

**1:50 000 Survey Map is enclosed with this question paper.**
Additional materials:
- Multiple Choice answer sheet
- Soft clean eraser
- Soft pencil (type B or HB is recommended)

**TIME** 1 hour 15 minutes

**INSTRUCTIONS TO CANDIDATES**

**Do not open this booklet until you are told to do so.**
Write your name, centre number and candidate number on the answer sheet in the spaces provided unless this has already been done for you.

There are **forty** questions in this paper. Answer **all** questions. For each question, there are four possible answers, **A, B, C** and **D**. Choose the **one** you consider correct and record your choice in **soft pencil** on the separate answer sheet.

**Read very carefully the instructions on the answer sheet.**

**INFORMATION FOR CANDIDATES**

Each correct answer will score **one** mark.
A mark will **not** be deducted for a wrong answer.
Any rough working should be done in this booklet.

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**This question paper consists of 14 printed pages and 2 blank page(s).**
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## Map work

For questions 1 to 12 refer to the 1: 50 000 map of Mashava.

1 Which grid square has a mine?

**A** 234000 7777000

**B** 235000 7777000

**C** 236000 7777000

**D** 237000 7777000

2 The approximate area under cultivation in 225000 7776000 is

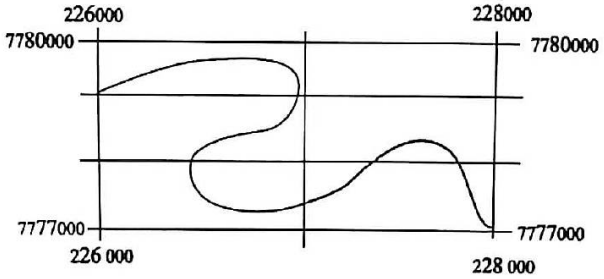
**A** 0, 5 $km^2$.

**B** 1, 0 $km^2$.

**C** 1, 5 $km^2$.

**D** 2, 0 $km^2$.

3 Which of the following best describes the river in the area below?




**A** Braiding

**B** Meandering

**C** Ox bow lakes

**D** Rapids



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4 The drainage pattern that covers the greater part in 234000 7780000 is

**A** trellis.

**B** rectangular.

**C** radial.

**D** dendritic.

5 What is the approximate altitude of the dam in grid square 223000 7784000?

**A** 1060 metres

**B** 1040 metres

**C** 1020 metres

**D** 1000 metres

6 The feature Chinhuwa in grid square 221000 7779000 is a

**A** basin.

**B** hill.

**C** plateau.

**D** ridge.

7 The settlement pattern in grid square 228000 7778000 is

**A** circular.

**B** dispersed.

**C** linear.

**D** nucleated.

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8 The bearing of Chikova dip tank in 232000 7775000 from the trigonometrical station 503/T in 231000 7776000 is

**A** 050°.

**B** 130°.

**C** 210°.

**D** 230°.

9 The direction of the quarry in 223000 7773000 from the bridge in 225000 7774000 is

**A** North West.

**B** North East.

**C** South East.

**D** South West.

10 The distance along the wide tarred road between the bridges on Tokwe river 232000 7777000 and Musavezana river on Easting 230000 is

**A** 2,3 km

**B** 3,0 km

**C** 3,5 km

**D** 3,9 km

11 The factor which influenced location of the cattle selling pens in 222000 7772000 is that they are near

**A** a hill.

**B** communal farmers.

**C** railway line.

**D** power line.



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12 The main human activity east of Easting 234000 is

**A** cultivation.

**B** irrigation.

**C** mining.

**D** tourism.

**Physical Environment**

13 Which of the following **A**, **B**, **C** or **D** represents stormy weather conditions?

A B C D



14 An air mass that originates from the equatorial area is

**A** cold.

**B** dry.

**C** stable.

**D** wet.



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15 Which climate is represented by the table?

| | J | F | M | A | M | J | J | A | S | O | N | D |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temp °C | 21 | 24 | 28 | 31 | 31 | 28 | 26 | 25 | 26 | 27 | 24 | 22 |
| Rainfall (mm) | 0 | 0 | 3 | 10 | 69 | 117 | 206 | 310 | 142 | 13 | 0 | 0 |

**A** Savanna

**B** Mediterranean

**C** Equatorial

**D** Desert

16 The worst destruction during an earthquake is experienced near the

**A** epicentre.

**B** focus.

**C** seismic centre.

**D** surface wave.

17 Termites in an ecosystem are

**A** reducers.

**B** omnivores.

**C** consumers.

**D** carnivores.



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18 Seeds for trees used in timber production are collected from

A straight trees.

B twisted trees.

C short trees.

D trees with many branches.

19 Which ecosystem supports the greatest variety of wildlife?

A Equatorial

B Hot desert

C Tropical Savanna

D Mediterranean

20 A tsunami is a

A very cold wind.

B giant sea wave.

C violent eruption of magma.

D strong wind with heavy rain.

21 Chemical weathering is most common in

A hot dry areas.

B cold dry areas.

C hot humid areas.

D cold humid areas.



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22 The best action to take when approaching a flooded river is

**A** crossing on a narrow section.

**B** using dug out canoes.

**C** waiting until river subsides.

**D** crossing in a car.

23 A Stevenson Screen is placed how many metres above the ground?

**A** 0,3

**B** 0,75

**C** 1,25

**D** 3,00

24 Which of the following is a non-renewable resource?

**A** Fish

**B** Forest

**C** Mineral

**D** Water

25 When granite rock changes to metamorphic rock it is known as

**A** slate

**B** marble

**C** graphite

**D** gneiss



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## Economic Geography

26 A group of unemployed people in a dry region can engage in

**A** trout fish farming.

**B** game ranching.

**C** tea production.

**D** intensive beef production.

27 The mining method that causes the greatest damage to Zimbabwean rivers is

**A** shaft.

**B** panning.

**C** open cast

**D** adit.

28 The best method to conserve natural forests is

**A** increasing exploitation licences.

**B** joint ventures of timber exploitation.

**C** establishing sawmills in the forest areas.

**D** establishing forest reserves.

29 The method of irrigation that conserves water is

**A** basin.

**B** canal.

**C** drip.

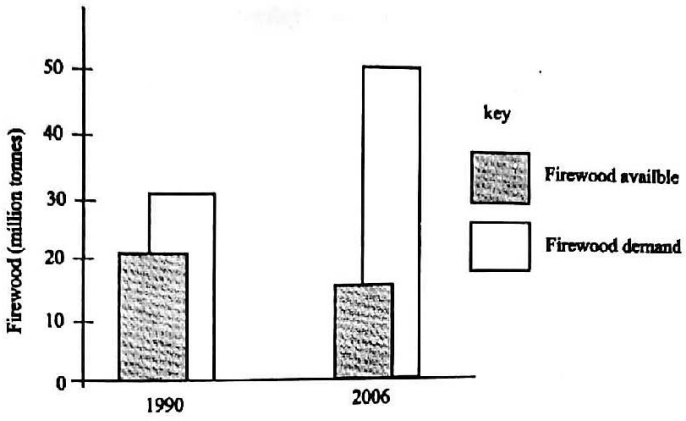
**D** sprinkler.



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30




The problem shown by the graph can be solved by

**A** introducing fuel-serving devices.

**B** importing nuclear energy.

**C** resettling rural people.

**D** prospecting for more fossil fuels.

31 The table below shows the percentage population employed in industries in four selected countries.

Which country **A, B, C** or **D** is the **most** economically developed?

| COUNTRY | PRIMARY | SECONDARY | TERTIARY |
|---|---|---|---|
| A | 3 | 26 | 71 |
| B | 7 | 34 | 59 |
| C | 32 | 24 | 44 |
| D | 70 | 10 | 20 |

32 What is used as a flux in the blast furnace?

**A** Iron cre

**B** Limestone

**C** Manganese

**D** Coke



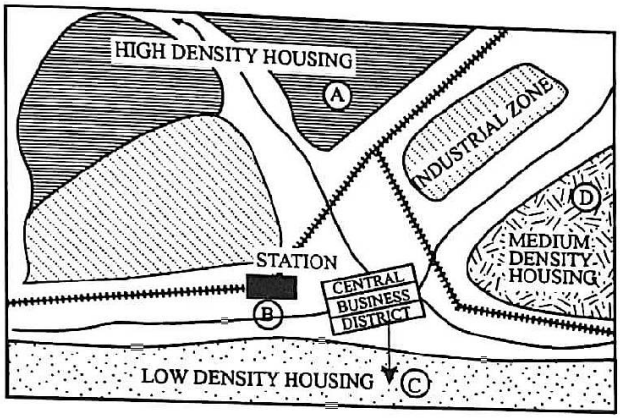
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33 Which of the countries **A**, **B**, **C** or **D** is most prone to typhoid?

| Country | % with adequate sanitation |
|---|---|
| A | 18 |
| B | 21 |
| C | 58 |
| D | 44 |

34 In which of places **A**, **B**, **C** or **D** is one likely to find warehouses?




35 Recent housing designs have solar geysers so as to

**A** increase energy imports.

**B** save water.

**C** save electricity.

**D** increase energy cost.



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## Population, Settlement, Environment, Transport and Trade

36 Which of the following countries **A, B, C** or **D** has the highest population growth rate?

| COUNTRY | BIRTH RATE PER 1000 | DEATH RATE PER 1000 |
|---|---|---|
| A | 47 | 11 |
| B | 47,2 | 20,6 |
| C | 48,4 | 11,3 |
| D | 54,2 | 12,4 |

37 The most comprehensive source of population information is

**A** church records.

**B** sample surveys.

**C** periodic census.

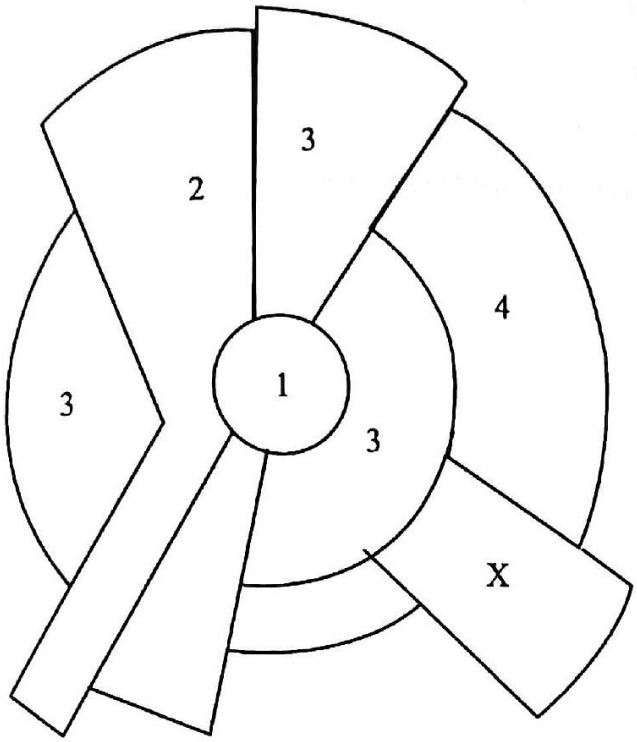
**D** birth registers.



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38 Which type of landuse is represented by **X** on the model shown?




**A** Low class residential area

**B** High class residential area

**C** Middle class residential area

**D** Central business district

39 Which of the following is handled through visible trade?

**A** fuel

**B** insurance

**C** tourism

**D** warehousing



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40 The value of exports can be improved by

**A** controlling prices of raw materials.

**B** reducing export subsidies.

**C** beneficiation of raw materials.

**D** introducing quotas on export of raw materials.



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