



43521145



EXAMINATIONS COUNCIL OF ZAMBIA

Examination for School Certificate Ordinary Level

Geography

Paper 1



2218/1

Friday

17 NOVEMBER 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

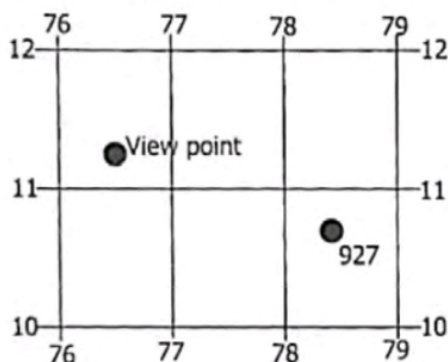
1. Each correct answer will score **one** mark. A mark will **not** be deducted for any wrong answer.
2. Cell phones, calculators and other electronic devices are **not allowed** in the examination room.

SECTION A: MAP WORK AND BASIC TECHNIQUES

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

- 1 Find the six figure grid reference of the Trigonometrical Station 527/T.
A 721 964
B 726 194
C 734 195
D 193 735
- 2 Find the length of the Masuwe River from grid **72** to grid **74**. ... meters.
A 3 000
B 3 800
C 4 600
D 5 000

Study the following map extract and answer question 3.



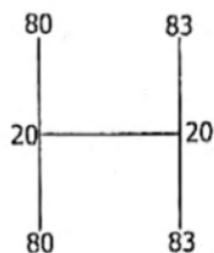
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- 3 What is the bearing of the unmarked spot height **927** from the view point?
A 75°
B 105°
C 160°
D 220°
- 4 What tourist attraction is found in grid square **7718**?
A An embankment
B National monument
C Pump house
D Railway line cross
- 5 Which one of the following modes of transport are tourists **not** likely to use when getting into Victoria Falls Town?
A Air transport
B Railway transport
C Road transport
D Water transport

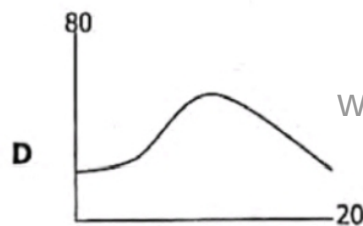
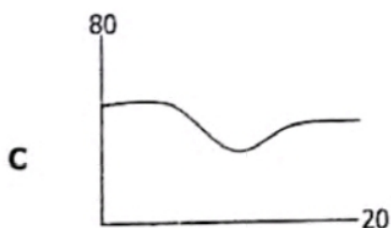
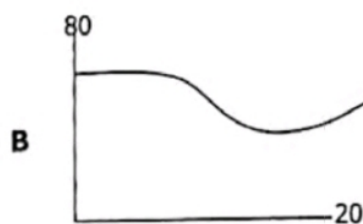
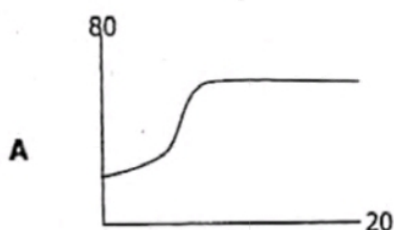
- 6 From map evidence, which one of the following economic activity is **not** carried out in Victoria Falls?
- A Farming
 - B Power transmission
 - C Railway transport
 - D Tourism
- 7 What is the direction of Princes Elizabeth Island in grid square **7720** from Canary Island in square **7422**?
- A North East
 - B North West
 - C South East
 - D South West
- 8 What is the difference in the height of land between Musuwe Falls in grid square **7813** and Game Park entrance gate in grid square **7313**?
- A 10m
 - B 20m
 - C 30m
 - D 40m
- 9 What type of vegetation is dominant on the map extract of Victoria Falls Town? ... bush.
- A Medium
 - B Sparse
 - C Very dense
 - D Very open
- 10 The channel of the Zambezi River East of grid line **78** and South of grid line **16** can be described as ...
- A flat.
 - B narrow.
 - C steep.
 - D wide.
- 11 In which of the following grid squares is there evidence for generation of electricity?
- A 7620
 - B 7718
 - C 7812
 - D 7917

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Study the map extract and answer question 12.



- 12 Which one of the following diagrams represents a correct cross section of the map along grid line 20?



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SECTION B: ELEMENTS OF PHYSICAL GEOGRAPHY

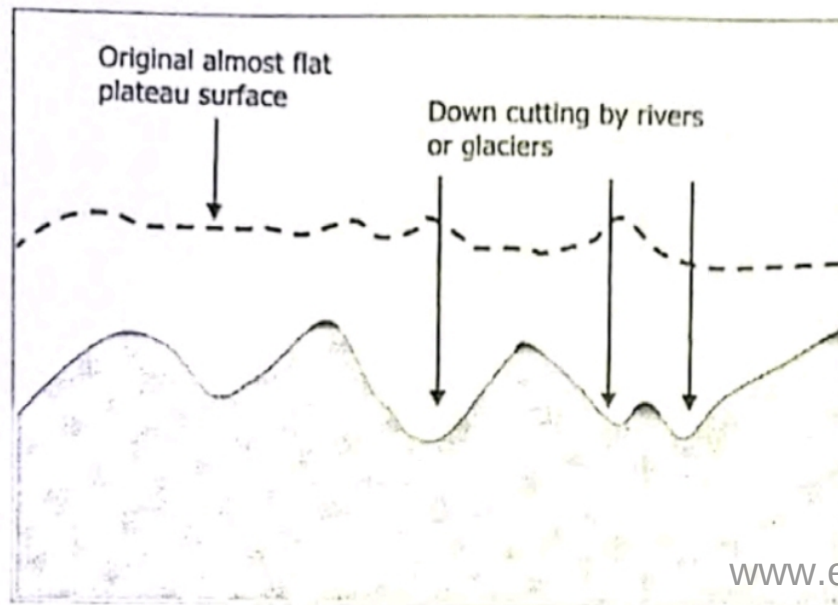
- 13 What is the straight line distance between Cape Town 33°S and the Tropic of Capricorn $23\frac{1}{2}^{\circ}\text{S}$?
- A 1 054.5km
 - B 2 608.5km
 - C 3 666.5km
 - D 6 216.0km
- 14 Which planet orbits in a clockwise direction from east to west?
- A Earth
 - B Jupiter
 - C Saturn
 - D Uranus

- 15 If the local time in Georgia Town (Guyana) 60°W is 01 35 hours, what will be the local time in Bangkok (Thailand) 100°E?

- A 02 40 hours
B 04 15 hours
C 10 40 hours
D 12 15 hours

$$\begin{array}{r} 15^\circ \times 4 = 60 \\ 106^\circ - 60 = 46 \\ 180 - 46 = 134 \\ 134 \div 15 = 8 \text{ R } 14 \\ 8 \times 1 = 8 \\ 14 \times 4 = 56 \\ 56 \div 60 = 0 \text{ R } 56 \\ 01:35 + 56 = 02:31 \end{array}$$

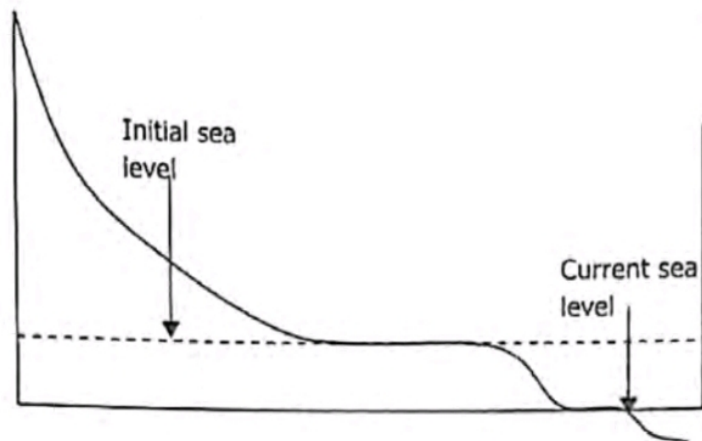
Study the following diagram and answer question 16.



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- 16 The diagram illustrates the formation of ...
A fold mountains.
B intermont plateau.
C residual mountains.
D volcanic plateau.
- 17 Which of the following lists contain a river's load carried as traction?
A Boulders, pebbles and stones
B Dissolved matter in water
C Silt, mud and mud woods
D Silt, stones and boulder
- 18 Which of the following factors is responsible for all forms of mass movement?
A Gravity
B Moisture
C Pressure
D Temperature

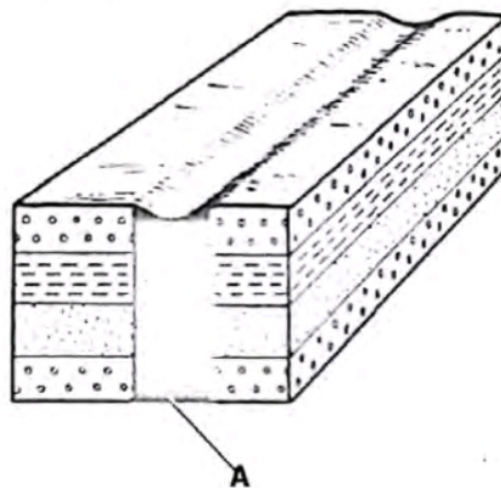
Study the diagram that shows a cross section of a river profile and answer question 19.



19 What does the diagram illustrate?

- A Formation of rapids
- B River flooding
- C River rejuvenation
- D River terracing

Study the following diagram and answer question 20.



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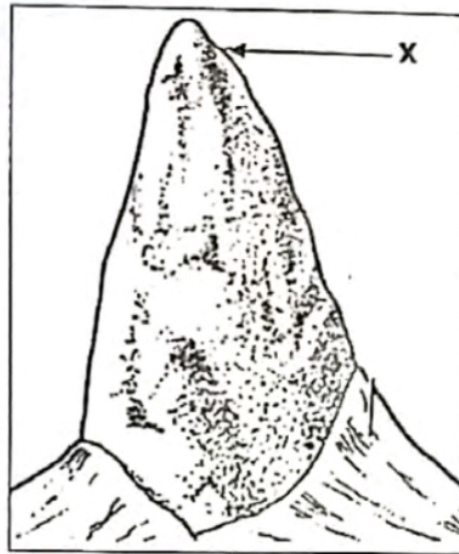
20 Which of the following is true about part A in the diagram? It is a ...

- A sill resistant to denudation.
- B sill not resistant to denudation.
- C dyke resistant to denudation.
- D dyke not resistant to denudation.

21 Which one of the following is **not** a process of chemical weathering?

- A Decomposition
- B Frost action
- C Oxidation
- D Solution

Study the following diagram and answer question 22.



- 22 The volcanic feature **X** shown in the diagram is called ...
- A caldera.
 - B crater.
 - C dyke.
 - D spine.
- 23 The Tropical Continental Savannah type of climate is best described as having ...
- A hot, wet, autumn and cool dry spring.
 - B much rain all year round.
 - C summer rain and winter drought.
 - D winter rain and summer drought.

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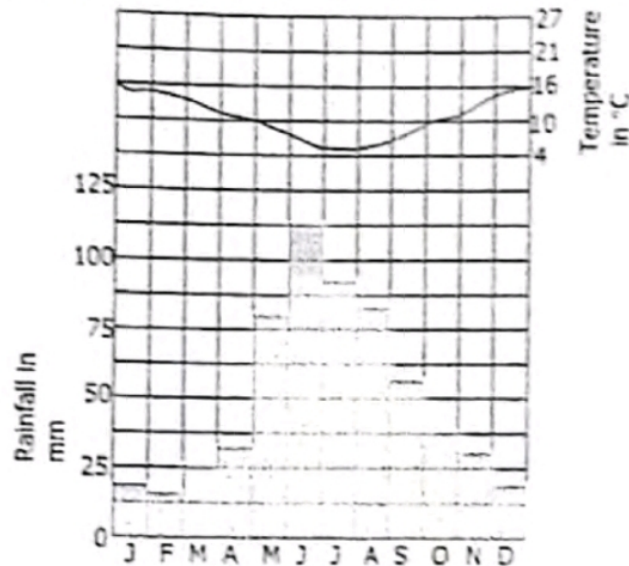
Study the following weather characteristics and answer question 24.

- (i) An area with high pressure in the centre.
- (ii) Isobars far apart.
- (iii) Winds move in an anticlockwise direction.

- 24 The description above refers to ...
- A a cyclone in the Northern hemisphere.
 - B a cyclone in the Southern hemisphere.
 - C an anticyclone in the Northern hemisphere.
 - D an anticyclone in the Southern hemisphere.
- 25 Regarding the greenhouse effect, what role do the greenhouse gases play?
- A Allow more heat from the sun to enter the atmosphere.
 - B Generate additional heat through chemical reactions.
 - C Help humid air to hold more heat within the atmosphere.
 - D Trap heat that is reflected from the surface of the earth.

- 26 Why do the hot deserts experience cold nights? Due to ...
- A cloud cover.
 - B clear skies.
 - C low air pressure.
 - D high solar insolation.

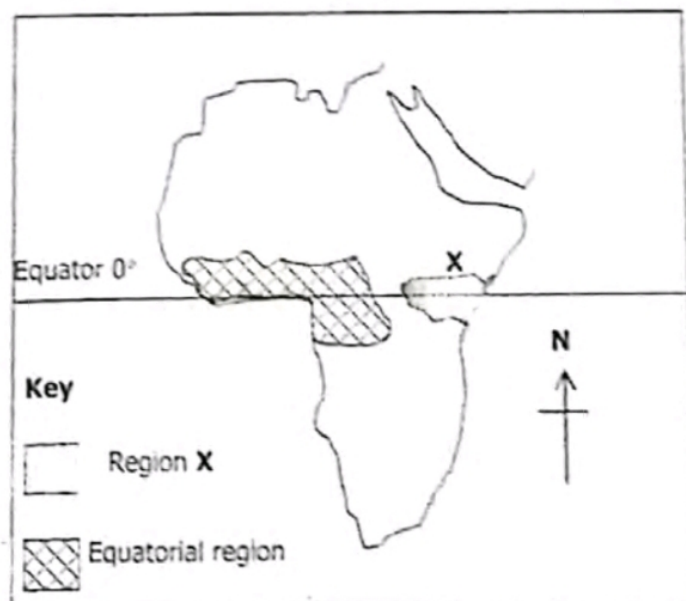
Study the climatic graph for town X and answer question 27.



- 27 What type of climate is experienced by town X?
- A Hot desert
 - B Hot wet equatorial
 - C Mediterranean
 - D Savanna

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Study the following map of Africa and answer question 28.



- 28 Which of the following is a reason why area X does not experience equatorial climatic conditions despite being found along the equator?
- A Coastal location has modified temperatures.
 - B Its lower altitude discourages formation of rainy clouds.
 - C The higher altitude has resulted into lower temperatures.
 - D The North East monsoon winds do not reach the area.
- 29 Which one of the following towns has the Savanna type of climate?
- A Algiers
 - B Cairo
 - C Cape Town
 - D Khartoum
- 30 Plants have few or no leaves and their foliage is either waxy, leathery or needle shaped. This describes the ... vegetation.
- A Equatorial
 - B Hot desert
 - C Mediterranean
 - D Savannah
- 31 Which one of the following climatic regions has the smallest daily range of temperature?
- A Equatorial
 - B Hot desert
 - C Mediterranean
 - D Savannah
- 32 The Savannah vegetation has adapted to the climate by the following ways **except** ...
- A having broad leaves.
 - B having broad trunks.
 - C having long tap roots.
 - D shedding of leaves.

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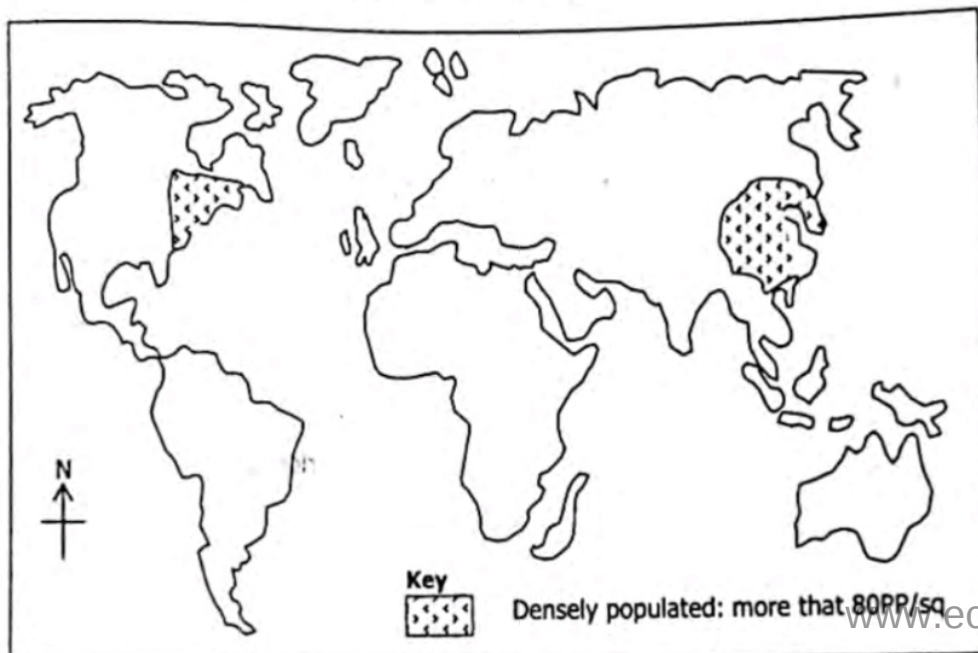
SECTION C: ELEMENTS OF WORLD HUMAN GEOGRAPHY

- 33 Which one of the following African countries has the highest population?
- A Democratic Republic of Congo
 - B Egypt
 - C Ethiopia
 - D South Africa

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- 34 The average number of children that would be born to each woman during her reproductive period is known as ...
- A birth rate.
 - B fertility rate.
 - C life expectancy.
 - D mortality.

Study the world map and answer question 35.

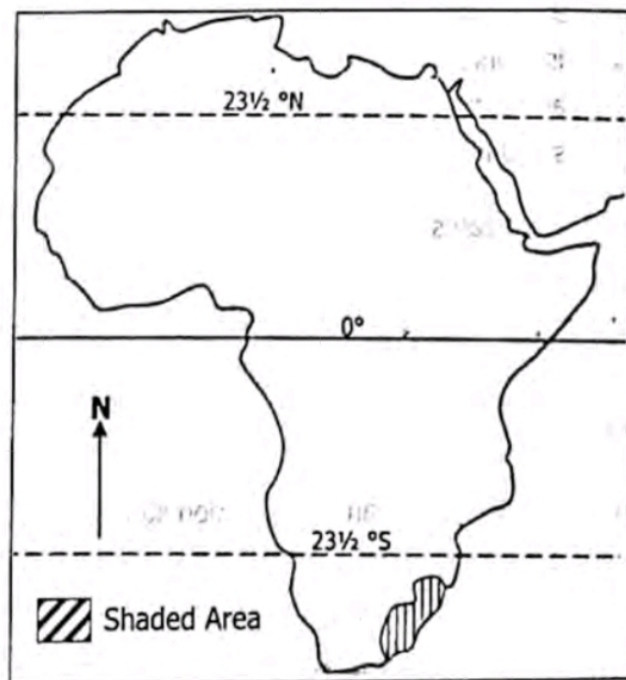


- 35 Two factors which have attracted more people in the shaded areas shown on the map are ...
- A industries and fertile land.
 - B lack of natural disasters and cooler climate.
 - C warmer climate and fertile soils.
 - D wetter conditions and industries.
- 36 The growth of population creates an urgent need for ...
- A commercial activities.
 - B extensive agriculture.
 - C housing.
 - D industrialisation.
- 37 What does the term 'Zero Growth' mean in population studies?
- A No more babies are being born.
 - B There are more baby boys born than girls.
 - C There are more baby girls born than boys.
 - D The population remains constant.

- 38 Why is there a lower birth rate in industrial areas than in agricultural areas?
- A Industrial workers are more aware of family planning.
 - B Married couples are usually separated in industrial areas.
 - C Pollution in industrial areas reduces the fertility of women.
 - D There are fewer women in industrial areas.
- 39 Which one of the following list of crops may **not** be produced under market gardening?
- A Cabbage, green maize, cucumber
 - B Carrots, tomatoes, green beans
 - C Carrots, silk, oranges
 - D Cucumber, onions, lettuce
- 40 In an area of extensive livestock farming, under what conditions are cattle likely to be replaced by sheep? When ...
- A markets become closer.
 - B transport becomes better.
 - C land becomes less drained.
 - D pasture becomes sparse.
- 41 Which of the following is the **least** applicable to plantation agriculture in the world?
- A Average yields from plantations are higher.
 - B Crops raised in plantations are mainly for export.
 - C Plantations are much larger in acreage.
 - D The plantations are entirely owned by foreigners.

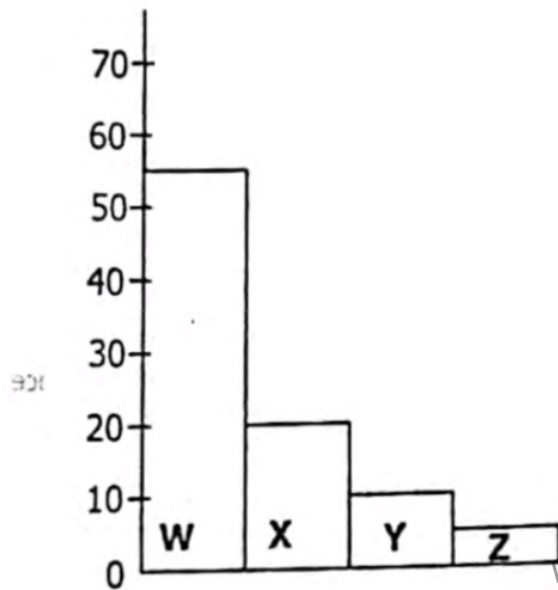
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Study the map of Africa and answer question 42.



- 42 Which one of the following crops is mainly produced in the shaded area?
- A Maize
 - B Rice
 - C Sugarcane
 - D Wheat

Study the bar graph that shows the five major coffee producers in the world and answer question 43.



- 43 Which country is represented by the letter W?
- A Brazil
 - B Ethiopia
 - C Guatemala
 - D Mexico
- 44 Which of the following is a type of extensive farming?
- A Dairy farming
 - B Fish farming
 - C Ranching
 - D Truck farming
- 45 Which of the following crops might lead to deforestation during its processing stage?
- A Cotton
 - B Maize
 - C Sugar cane
 - D Tobacco

- 46 Which of the following sources of power is renewable?
- A Coal
 - B Gas
 - C Oil
 - D Water
- 47 Oil tankers today are increasing in size because ...
- A transportation costs per unit oil is low.
 - B there is no risk of fire.
 - C they can carry other cargo.
 - D they sail the deep seas.
- 48 The electricity generated from hot water or steam from rocks in the earth's crust is referred to as ...
- A geothermal.
 - B hydro-electricity.
 - C solar.
 - D thermal.
- 49 At a newly discovered oil well, oil is usually brought to the surface by ...
- A drilling.
 - B pipeline.
 - C pressure.
 - D pumping.
- 50 The leading coal producing country in Africa is ...
- A Nigeria.
 - B South Africa.
 - C Zambia.
 - D Zimbabwe.

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