EXAMINATIONS COUNCIL OF ZAMBIA
Examination for School Certificate Ordinary Level.

Geography

PAPER 1

Friday 16 OCTOBER 2015

1:25 000 Survey Map is enclosed with this question paper

Additional materials:
- Multiple Choice answer sheet
- Soft pencil (type H or HB is recommended)

Time 1 hour 30 minutes

Instructions to candidates

1. Do not open this question paper until you are told to do so.
2. Ensure that your name, centre number and candidate number have been correctly written on the Answer Sheet provided.
3. 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 Sheet.
4. Read very carefully the instructions on the answer sheet provided.

Information for candidates

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

www.zedpastpapers.com

©ECZ2015H1

This question paper consists of 13 printed pages.
SECTION A: MAPWORK AND BASIC TECHNIQUES

Questions 1 to 12 are based on the 1:25 000 map extract of Medine (Mauritius).

1. What is the six figure grid reference of the trigonometrical station east of St. Antoine?
   A  890960
   B  892963
   C  960890
   D  962891

2. What is the bearing of St. Martin in grid square 9096 from the water tank in grid square 8692?
   A  45°
   B  135°
   C  225°
   D  315°

3. The direction of the plantation in grid square 8995 from Belle Ile in grid square 8693 is ...
   A  north east.
   B  north west.
   C  south east.
   D  south west.

4. What is the height of the minor trigonometrical station in grid square 8892?
   A  140 m
   B  159 m
   C  179 m
   D  185 m

5. What is the longest section of La Ferme reservoir?
   A  500 m
   B  1000 m
   C  1200 m
   D  1500 m

6. Which industry is found on the western side of Medine town?
   A  Limestone factory
   B  Lumbering
   C  Sugar factory
   D  Tea factory

7. What is the major physical feature in grid square 9093?
   A  Coral
   B  Marsh
   C  Plain
   D  Reservoir
8 According to map evidence, which services are being provided in the town of Medine?
   A   Education, Religion, Security
   B   Health, Banking, Security
   C   Religion, Insurance, Banking
   D   Security, Banking, Insurance

9 Study the map extract below.

   94  91  92  94
   |    |    |    |
   93  91  92  93
   |    |    |    |
   92  91  92  92

How best would the relief above be described?
   A   Flat but stony.
   B   Highland with stony peaks.
   C   Rolling throughout.
   D   Sloping north-eastwards.

10 What is the reason for the location of the Medine settlement south of the map?
   A   Flat land.
   B   Good drainage.
   C   Industries.
   D   Religious centres.

11 Study the map extract below.

   89  90  96
   |    |    |
   95  90  96
   |    |    |
   89  90  94

Which is the dominant vegetation found in the shaded area above?
   A   Filaos
   B   Forest
   C   Scattered trees
   D   Scrub

12 What evidence is there to show that Medine is a lumbering town?
   A   Forests
   B   Minerals
   C   Plantations
   D   Sugar Factory

[Turn over]
SECTION B: ELEMENTS OF PHYSICAL GEOGRAPHY

13 On which of the following days will places along latitude 23½°N have 12 hours of daylight and 12 hours of darkness?
A 22nd December and 21st June.
B 21st June and 23rd September.
C 21st March and 21st June.
D 21st March and 23rd September.

14 Which one of the following is earth's twin planet?
A Jupiter
B Mars
C Mercury
D Venus

15 In volcanism, rocks below the earth's crust have very high temperatures and exist in a molten state called ...
A batholith.
B laccolith.
C lava.
D magma.

16 Which one of the following is not an example of physical weathering?
A Frost action
B Hydrolysis
C Repeated wetting and drying
D Repeated temperature changes

17 Which of the following are positive effects of volcanic eruption?
A Floods and ash
B Fire and minerals
C Heat and minerals
D Minerals and ash

18 Study the diagram below showing a stage in river formation.

```
+-----------+             +---------+
|           |             | A        |
|           |             | Extension of |
|           |             | head      |
|           |             |           |
+-----------+             +---------+
|           |             | River    |
```

What process is taking place in region marked A?
A Attrition
B Deposition
C Erosion
D Transportation
19 Study the diagram below.

What is the likely cause of the movement of the materials shown above?
A Earthquake
B Frost action
C Running water
D Wind

20 Study the diagram below.

What do W, X, Y and Z represent?

<p>| | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>W</td>
<td>X</td>
<td>Y</td>
<td>Z</td>
</tr>
<tr>
<td>A</td>
<td>Water table</td>
<td>Impermeable layer</td>
<td>Zone of saturation</td>
</tr>
<tr>
<td>B</td>
<td>Water table</td>
<td>Zone of saturation</td>
<td>Zone of percolation</td>
</tr>
<tr>
<td>C</td>
<td>Zone of percolation</td>
<td>Water table</td>
<td>Zone of saturation</td>
</tr>
<tr>
<td>D</td>
<td>Zone of saturation</td>
<td>Water table</td>
<td>Impermeable layer</td>
</tr>
</tbody>
</table>

www.zedpastpapers.com
21 An earthquake can best be described as ...
   A faulting of the earth's crust.
   B movement of the tectonic plates in the earth's crust.
   C shattering of the earth's crust.
   D sudden release of energy in form of motion in the earth's crust.

22 Which of the following is a product of volcanism?
   A Ionosphere
   B Lithosphere
   C Tropopause
   D Troposphere

23 Study the map of Africa below showing mean daily temperatures.

![Map of Africa with isotherms and key]

What is the mean daily temperature for place A?
   A 0°C
   B 15°C
   C 25°C
   D 30°C

24 Study the diagram below representing the amount of cloud cover

![Pie chart with sections shaded]

www.zedpastpapers.com
What is the amount of cloud cover shown in the diagram?

A \[ \frac{2}{8} \]
B \[ \frac{4}{8} \]
C \[ \frac{6}{8} \]
D \[ \frac{7}{8} \]

25 Study the diagram below.

What kind of weather would be experienced in the area where the information is obtained?

A Breeze
B Cyclone
C Hurricane
D Storm

26 Study the diagram below.

The feature represents ...

A a cyclone in the northern hemisphere.
B a cyclone in the southern hemisphere.
C an anti-cyclone in the northern hemisphere.
D an anti-cyclone in the southern hemisphere.
27 The earth's atmosphere gets ...
A thicker as altitude increases.
B thicker as latitude decreases.
C thinner as altitude decreases.
D thinner as altitude increases.

28 On a map places of equal rainfall will be shown by ...
A contours.
B isobars.
C isohyets.
D isotherms.

29 Study the map of Africa below.

Which of the areas A, B, C or D experiences rainy summers and dry winters?

30 Which of the following explains why windward sides of mountains receive higher rainfall than the leeward sides?
A Leeward sides are colder than windward sides.
B Relief on leeward sides blocks rising air.
C Slopes on windward sides facilitate air to rise.
D Slopes on windward sides promote greater evaporation from the ground.
Study the graph below and answer questions 31 and 32.

31  Where is the above station located?
A  An equatorial area
B  Hot desert area
C  Mediterranean land
D  Tropical grassland

32  Which of the following is the characteristic of the vegetation in this area?
A  It is drought resistant.
B  Many plants have thick stems.
C  Trees grow in pure stands.
D  Trees grow very tall.

SECTION C:  ELEMENTS OF WORLD HUMAN GEOGRAPHY

33  Study the population pyramid below.

% males in age group  % females in age group

www.zedpastpapers.com
The graph represents the population structure for ...
A  China.
B  Mexico.
C  Sweden.
D  Zimbabwe.

34  The equatorial regions are sparsely populated because ...
A  of dangerous animals.
B  of thick forests.
C  primitive people live there.
D  soils are not good for agriculture.

35  Which of the following best describes what life expectancy is?
A  Number of years a person is expected to live.
B  Number of years a person is expected to be very productive.
C  Period when resources available can sustain the population.
D  Period when the fertility rate of the population is at its highest.

36  The bar chart shows age-sex distribution of reported AIDS cases in one Southern African country in 1999.

Which of the following is not correct about the graph above?
A  For the age group 0 – 4 HIV infection is greater among boys than girls.
B  For the population aged between 15 – 29, the females are more vulnerable to HIV infections than males.
C  For the population aged 30 and above, the females are more vulnerable to HIV infection than males.
D  For the population aged 30 and above, the males are more vulnerable to HIV infection than females.
37 While India owns 15% of the world's cattle population, it does not lead the world in beef and dairy products exportation. Why?
A All the beef and dairy products are consumed locally.
B It is hindered by the belief that cattle are sacred.
C Lack of political will.
D Poor quality cattle are reared.

38 Rice and wheat have common growing geographical requirements. The main difference in their growing requirements is ...
A relief.
B soil.
C temperature.
D water.

39 Which of the following farming techniques is recommended in hilly areas?
A Fallowing
B Shifting cultivation
C Strip farming
D Terracing

40 How can exhausted soils due to monoculture practices be replenished?
A By crop rotation
B Introducing cover cropping
C Terrace farming
D Use of contour ploughing

41 Where is dairy farming highly mechanised and practised?
A Arabia
B Botswana
C Mexico
D New Zealand

42 Which of the following is not a cover crop?
A Cotton
B Hay
C Soya beans
D Sun hemp
43 Study the diagram below showing the world’s chief producers of hydro-electricity.

Which country is represented by the portion with 23%?
A Canada
B Japan
C USA
D USSR

44 What is the immediate benefit of load shedding to an electricity generating company?
A Supply is systematically regulated where there is shortage.
B The company makes more money during load shedding.
C There is less work for the company employees.
D Vandalism of cables is prevented.

45 Ordinarily the quality and price of coal is determined by the following factors except ...
A carbon content.
B impurities present.
C moisture content.
D size of coal fragments.

46 Which of the following is the advantage of biomass fuel? It ...
A does not require bulk materials.
B has replaced petroleum.
C is renewable.
D reduces deforestation.

47 Study the diagram below

What mineral can be used at Z?
A Cobalt
B Gold
C Magnesium
D Silver
48 Why has the location of world iron and steel industries undergone a lot of changes?
A Discovery of new sources of iron ore.
B Exhaustion of coal
C Improvement in the transport sector
D Introduction of new technology

49 Which one of the following types of iron ore has the highest metallic content?
A Haematite
B Limonite
C Magnetite
D Siderite

50 Study the diagram below.

In modern times, which of the following would be the most appropriate location for an integrated iron and steel centre?
A W
B X
C Y
D Z
DOWNLOAD ECZ PAST PAPERS FROM YOUR PHONE OR PC

www.zedpastpapers.com