EXAMINATIONS COUNCIL OF ZAMBIA

JUNIOR SECONDARY SCHOOL LEAVING EXAMINATION (GRADE 9) – 2010

GEOGRAPHY  202/1
PAPER 1

(INTERNAL & EXTERNAL CANDIDATES)

Time:  1 HOUR 30 MINUTES  Marks: 40

INSTRUCTIONS TO CANDIDATES

1. Separate the Answer Sheet from the question paper.

2. Write your name, examination number, school/centre name and code on the Answer Sheet.

3. There are forty (40) questions in this paper.

4. Answer all the questions.

5. For each question, four (4) possible answers are given, A, B, C and D. Choose the correct answer. Then, on your Answer Sheet, mark the letter with a cross(x).

6. Do not spend too much time on any one question. Leave difficult questions to the end.

7. At the end of this examination, hand in the Answer Sheet.

8. Cell phones are not allowed in the examination room.

DO NOT TURN THIS PAGE UNTIL YOU ARE TOLD TO DO SO.

This question paper consists of 14 printed pages.

*ECZ2010/F4*
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<td>C</td>
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SECTION A

Study the map extract of Zambia and answer questions 1 to 12

1. What is the six figure grid reference of Shebele village?
   A. 568675
   B. 565678
   C. 675568
   D. 678565

2. The distance along the track from Chipemba village in grid square 4977 to Kayumba school in grid square 5075 is ___ metres.
   A. 1800
   B. 2000
   C. 2500
   D. 2800

3. What is the general direction of flow of Muweshi River?
   A. North East to South West.
   B. North West to South East.
   C. South East to North West.
   D. South West to North East.

4. The bearing of Mutayi village in grid square 5370 from Kayumba school in grid square 5075 is ___
   A. 89°
   B. 140°
   C. 210°
   D. 300°

5. What man-made feature is found in grid square 5075?
   A. Aerodrome
   B. Mine
   C. School
   D. Tower

6. Which one of the following grid squares has the highest density of human settlement?
   A. 4977
   B. 5870
   C. 5374
   D. 5569

Geography 2021/2022
Study the diagram below that shows part of the map extract and answer question 7.

7 Which one of the following description is correct about the map extract shown in the diagram?
   A Land is hilly.
   B Land is a plateau.
   C Land is a plain.
   D Land is a valley.

8 Most of the settlements are located along...
   A dambos.
   B rivers.
   C ridges.
   D tracks.

9 The Longitude of Kapula village in grid square 5569 is...
   A 10° N.
   B 10° S.
   C 29° E.
   D 29° W.

10 The main type of vegetation found in the area north of the Luongo river is...
   A Thick forest.
   B Thickct.
   C Open bush and Tree grassland.
   D Woodland.
11 What is the likely occupation of the people who live in the area shown on the map?
A  Fishing  
B  Mining  
C  Poultry  
D  Pottery  

Study the area shown in the grid squares below and answer question 12.

12 The main reason why the Luongo River has a meandering route is that the river passes through ...
A  dambos.  
B  flat land.  
C  mountains.  
D  swamps.
SECTION B

Study the world map below and then answer questions 13 to 17.

13 What is the name of canal A?
A Erie
B Soo
C Suez
D Panama

14 Ocean current B is ...
A Alguilhas.
B Benguela.
C North Pacific Drift.
D South Equatorial.

15 What is the name of basin C?
A Amazon.
B Congo.
C Orinoco.
D Mississippi.
16. What is the name of mountain range D?
   A. Andes
   B. Appalachian.
   C. Drakensburg.
   D. Table.

17. The name of the plantation crop transported along route E is ...
   A. Banana.
   B. Coffee.
   C. Tea.
   D. Teak.

Study the table below and then answer questions 18, 19 and 20.

<table>
<thead>
<tr>
<th>COUNTRY</th>
<th>CATTLE POPULATION (Million head)</th>
<th>COW MILK PRODUCTION (Million tonnes)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Brazil</td>
<td>176</td>
<td>23</td>
</tr>
<tr>
<td>China</td>
<td>106</td>
<td>-</td>
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<tr>
<td>India</td>
<td>222</td>
<td>36</td>
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<tr>
<td>U.S.A.</td>
<td>97</td>
<td>77</td>
</tr>
<tr>
<td>Argentina</td>
<td>51</td>
<td>-</td>
</tr>
<tr>
<td>Sudan</td>
<td>38</td>
<td>-</td>
</tr>
<tr>
<td>Russia</td>
<td>27</td>
<td>33</td>
</tr>
</tbody>
</table>

18. The total production of cow milk from South America is ... million tonnes.
   A. 23
   B. 77
   C. 100
   D. 227

19. Which one of the following countries is the main importer of beef in the world?
   A. Argentina.
   B. India.
   C. U.S.A.
   D. Sudan.
Study the diagram below and answer questions 20 and 21.

20 What type of a power station is shown in the diagram?
   A  Geo-thermal.
   B  Hydro-electric.
   C  Nuclear.
   D  Thermal.

21 The fuel used in the power station shown in the diagram above is not good for the environment because it ...
   A  displaces population.
   B  pollutes the air.
   C  produces harmful rays.
   D  produces little power.

22 Which one of the following power source is not a fossil fuel?
   A  Coal
   B  Natural gas
   C  Petroleum
   D  Water

Study the diagram below and answer questions 23 and 24.

1
2 Muslin
3 Wick
Water
Constriction in capillary - showing break in mercury thread
4 Alcohol
Metal index

Thermometers
Geography 2021/2010
23 Which pair of thermometers shown in the diagram is used to determine the humidity of the atmosphere?
A 1 and 2
B 1 and 4
C 2 and 4
D 3 and 4

24 What is the temperature reading for thermometer 3?
A 13°C
B 14°C
C 18°C
D 24°C

Study the diagram below and answer questions 25 and 26.

25 What is the weather instrument shown above?
A An Aneroid Barometer.
B An Anemometer.
C A Six’s thermometer.
D A Wind Vane.

26 The unit of measurement of the weather instrument shown in the diagram above is the ... 
A Celsius.
B Centimetre.
C Millibar.
D Millimetre.
Study the diagram below and answer question 27.

27 Which weather station A, B, C or D is likely to record the highest amount of rainfall?

Study the climatic graph below for station W and answer questions 28, 29 and 30.

STATION W

Temperature (°C)

Rainfall (mm)

J F M A M J J A S O N D

Geography 2021/2010
28 Which one of the following towns is represented by the climatic graph?
   A Cairo
   B Kano
   C Kinshasa
   D Pretoria

29 Which one of the following vegetation is associated with the climatic station W?
   A Baobab
   B Date palm
   C Ebony
   D Spruce

30 Trees at Station W adapt to the climate by ...
   A having buttressed roots.
   B having cone-shaped crowns.
   C having thin barks.
   D shedding leaves during the dry season.

Study the map of Africa below and answer question 31.

31 Which one of the following areas A, B, C or D has population concentrated around mining towns?
32. Which one of the following birth control methods is mostly used in Africa?
   A. Late marriages.
   B. Modern contraceptives.
   C. Natural family planning.
   D. Traditional herbs.

33. One of the effects of rural-urban migration in rural areas is ...
   A. increased crime.
   B. increased job opportunities.
   C. reduced electricity production.
   D. reduced food production.

34. Which one of the following continents shown above has the largest infant mortality rate?
   A. Africa
   B. Asia
   C. Europe
   D. Latin America

35. Europe and North America have the lowest infant mortality rate because of ...
   A. absence of civil war.
   B. improved nutrition and medicine.
   C. low fertility levels in women.
   D. small infant population.
Study the map of Zambia below and answer questions 36, 37 and 38.

36  What is the name of the mineral mined at G near Mazabuka town?

A  Copper  
B  Limestone  
C  Nickel  
D  Phosphate

37  Which one of the following rivers shown on the map finally discharges its water into Atlantic Ocean?

A  Chambeshi  
B  Kafue  
C  Luangwa  
D  Zambezi

38  What is the major cash crop grown in area H?

A  Millet  
B  Maize  
C  Rice  
D  Wheat

39  Which one of the following trees is used as poles for electricity transmission?

A  Eucalyptus  
B  Gmelina  
C  Mubanga  
D  Pine
Study the table below and answer question 40.

<table>
<thead>
<tr>
<th>TOWN</th>
<th>LATITUDE (Metres)</th>
<th>July Temp °C</th>
<th>January Temp °C</th>
<th>Mean Annual Temp °C</th>
<th>Mean Annual Temperature range°C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mbala</td>
<td>8°46's</td>
<td>1632</td>
<td>17.5</td>
<td>22</td>
<td>19.5</td>
</tr>
<tr>
<td>Livingstone</td>
<td>17° 50's</td>
<td>948</td>
<td>16.2</td>
<td>27.1</td>
<td>22.2</td>
</tr>
</tbody>
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40 Why is the temperature for Mbala higher than that of Livingstone in the month of July?

A Mbala has more cloud cover.
B Mbala is further away from the Indian Ocean.
C Mbala is nearer to the equator.
D Mbala is on a higher altitude.