EXAMINATIONS COUNCIL OF ZAMBIA

JUNIOR SECONDARY SCHOOL LEAVING EXAMINATION (GRADE 9) – 2012

GEOGRAPHY 202/1
PAPER 1

(INTERNAL AND 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 one you consider 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 12 printed pages.
<table>
<thead>
<tr>
<th>Question</th>
<th>Option A</th>
<th>Option B</th>
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SECTION A

Study the map extract of Chambishi and answer questions 1 to 12.

1. The six figure grid reference for the aerial photo principal point number 26 in the southern part of the map is • • •
   A. 147 956.
   B. 153 963.
   C. 956 147.
   D. 963 153.

2. What is the vertical interval of the map?
   A. 10m
   B. 15m
   C. 20m
   D. 40m

3. What is the bearing of the tank in grid square 1301 from the school in grid square 1502?
   A. 50°
   B. 90°
   C. 180°
   D. 230°

4. The distance along the road from the grid square 0904 to the first junction in grid square 1402 is • • •
   A. 3.4 km.
   B. 5.2 km.
   C. 6.7 km.
   D. 8.2 km.

5. What is the dominant type of vegetation found in grid square 1906?
   A. Grassland
   B. Open grassland
   C. Plantation
   D. Scattered cultivation

6. What man-made feature is found in grid square 1206?
   A. Aerial photo principal point
   B. Dam
   C. Dambo
   D. Waterfalls
7 What is the general flow of Chambishi River on the map?
   A North West to South East
   B North West to South West
   C South East to North East
   D South East to North West

8 The area south west of the map is sparsely populated because of • • •
   A cultivation and plantation.
   B National forest.
   C rock out crops.
   D slimes deposit.

9 According to map evidence, which one of the following activities is dominant?
   A Farming
   B Manufacturing
   C Mining
   D Tourism

10 According to map evidence, which two modes of transport are available?
    A Air and road
    B Air and water
    C Rail and air
    D Rail and road

11 According to map evidence, which one of the following services is offered by Chambishi?
    A Education and Mining
    B Education and Transport
    C Transport and Recreation
    D Transport and Mining

12 What is the approximate latitude of Chambishi station is grid square 1700?
   A 12°40’N
   B 12°40’S
   C 28°05’E
   D 28°05’W
SECTION A

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

13. What is the name of Mountain Range A?
   A. Andes
   B. Atlas
   C. Himalayas
   D. Rockies

14. The name of Latitude B is • • •
   A. Arctic circle.
   B. Equator.
   C. Tropic of Capricorn.
   D. Tropic of Cancer.

15. The ocean Current C is • • •
   A. Benguela.
   B. Brazilian.
   C. Mozambique.
   D. Peruvian.

16. What is the name of River D?
   A. Amazon
   B. Niger
   C. Senegal
   D. Zambezi
17 The commodity transported along route E is •••
   A  cotton.
   B  flax.
   C  silk.
   D  wool.

Study the table below showing major wheat producing countries and answer question 18.

<table>
<thead>
<tr>
<th>Country</th>
<th>% of world total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Russia</td>
<td>24</td>
</tr>
<tr>
<td>USA</td>
<td>14</td>
</tr>
<tr>
<td>China</td>
<td>10</td>
</tr>
<tr>
<td>India</td>
<td>7.5</td>
</tr>
<tr>
<td>Canada</td>
<td>5</td>
</tr>
<tr>
<td>France</td>
<td>4</td>
</tr>
<tr>
<td>Australia</td>
<td>2</td>
</tr>
</tbody>
</table>

18 Which country is the leading producer of wheat?
   A  China
   B  India
   C  Russia
   D  USA

19 Extensive mechanised wheat cultivation is suitable for temperate grassland because of •••
   A  cold winters.
   B  flat land.
   C  heavy rains.
   D  limited use of labour.

20 The slash and burn system of agriculture is practised in •••
   A  Algeria.
   B  Libya.
   C  Morocco.
   D  Sudan.
Study the table below showing sources and production of energy in (% production) from 1960 to 1990 and answer questions 21 and 22.

<table>
<thead>
<tr>
<th>Source of Energy</th>
<th>Production (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coal</td>
<td>76.5</td>
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<tr>
<td>Oil</td>
<td>22.6</td>
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<tr>
<td>Natural gas</td>
<td>0.1</td>
</tr>
<tr>
<td>Nuclear</td>
<td>0.2</td>
</tr>
<tr>
<td>Hydro-electricity</td>
<td>0.6</td>
</tr>
</tbody>
</table>

21 What was the largest source of energy produced in 1990?

A Coal  
B Natural gas  
C Nuclear  
D Oil

22 Which one of the following power sources showed a steady increase in production from 1960 to 1990?

A Coal  
B Hydro-electricity  
C Natural gas  
D Oil

Study the pie chart below showing energy consumption in Africa and answer question 23.
23 Which one of the following types of energy is mostly consumed?
A Coal
B Hydro-electricity
C Natural gas
D Oil

Study the diagram below and answer questions 24 and 25.

24 The method of obtaining wind speed using a system of numbers is called • • •
A beaufort wind direction.
B beaufort wind scale.
C beaufort wind speed.
D beaufort wind vane.

25 What is the speed of the wind shown on the diagram?
A 15 knots
B 20 knots
C 25 knots
D 30 knots
Study the map below and answer question 26.

![Map of atmospheric pressure levels with stations F and G marked.

Key
Mb - millibars]

26 What is the atmospheric pressure at Station G?

A 900 mb  
B 950 mb  
C 1 000 mb  
D 1 050 mb

Study the climatic data below for station F and answer questions 27 and 28.

<table>
<thead>
<tr>
<th>Month</th>
<th>J</th>
<th>F</th>
<th>M</th>
<th>A</th>
<th>M</th>
<th>J</th>
<th>J</th>
<th>A</th>
<th>S</th>
<th>O</th>
<th>N</th>
<th>D</th>
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<tbody>
<tr>
<td>Temperature (°C)</td>
<td>26</td>
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<td>27</td>
<td>27</td>
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<td>26</td>
<td>26</td>
<td>26</td>
<td>26</td>
<td>26</td>
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<td>26</td>
</tr>
<tr>
<td>Rainfall (mm)</td>
<td>170</td>
<td>170</td>
<td>236</td>
<td>279</td>
<td>216</td>
<td>127</td>
<td>144</td>
<td>157</td>
<td>185</td>
<td>276</td>
<td>231</td>
<td>257</td>
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</tbody>
</table>

27 What is the annual range of temperature for station F?

A 1°C  
B 2°C  
C 3°C  
D 4°C

28 The climatic region represented by Station F is •••

A desert.  
B equatorial.  
C Mediterranean.  
D Tropical Savannah.
29 The plants found in shaded area G are described as... 
A hydrophytic.  
B saprophytic.  
C tropophytic.  
D xerophytic.

30 Which one of the following describes the temperature characteristics of shaded area H on the map?  
A Hot summer and mild winter.  
B Mild summer and very cold winter.  
C Very cold summer and hot winter.  
D Warm to hot summer and very cold winter.

31 What type of rainfall is associated with the equatorial rain forests?  
A Convectional  
B Convergence  
C Relief  
D Frontal
Study the table below showing population characteristics and answer questions 32 and 33.

<table>
<thead>
<tr>
<th>Country</th>
<th>Total population</th>
<th>(% Urban Population)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tanzania</td>
<td>35,922,000</td>
<td>33.2</td>
</tr>
<tr>
<td>Australia</td>
<td>19,732,000</td>
<td>91.1</td>
</tr>
<tr>
<td>Germany</td>
<td>82,398,000</td>
<td>87.7</td>
</tr>
<tr>
<td>Saudi Arabia</td>
<td>21,294,000</td>
<td>86.6</td>
</tr>
<tr>
<td>Tunisia</td>
<td>9,925,000</td>
<td>66.1</td>
</tr>
</tbody>
</table>

32. What is the total population of African countries shown in the table above?
   A  19,732,000  
   B  29,657,000  
   C  35,922,000  
   D  45,847,000  

33. What is meant by a “young population?”
   A  One with a relatively high proportion of children. 
   B  One that has a high potential to work. 
   C  It is an inbuilt population momentum. 
   D  It is the age which divides a population into two equal parts. 

34. Which one of the following factors is likely to cause rapid population growth in urban areas?
   A  Civil wars 
   B  Droughts 
   C  In-migration 
   D  Out-migration 

35. The official counting of people in a country is known as • • •
   A  census. 
   B  doubling. 
   C  population explosion. 
   D  under population.
Study the map of Zambia below and answer questions 36 to 40.

36 The approximate height of area I is • • •
   A  land 900m below sea level.
   B  land between 900m and 1200m above sea level.
   C  land over 1200m above seal level.
   D  land 3000m above sea level.

37 What economic activity is found in shaded area J?
   A  Farming
   B  Fishing
   C  Forestry
   D  Tourism

38 What is the name of town K?
   A  Chipata
   B  Chirundu
   C  Luangwa
   D  Lusaka

39 Which lake on the map above is a depression lake?
   A  Lake Bangweulu
   B  Lake Kariba
   C  Lake Mweru
   D  Lake Tanganyika

40 Name the shaded area L?
   A  Liuwa
   B  Mulanga
   C  Kashiji
   D  Luena