TIME: 2 HOURS

INSTRUCTIONS TO CANDIDATES

1. Pull out the Answer Booklet from the question paper.

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

3. There are three (3) Sections in this paper; A, B and C.

4. Answer four questions: two from Section A, one from Section B and one from Section C.

5. Write ALL your answers in the Answer Booklet. Do not write anything on this question paper.

6. Indicate questions attempted in the box on the front page of the Answer Booklet.

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

DO NOT TURN THIS PAGE UNTIL YOU ARE TOLD TO DO SO
SECTION A

1 Study the map of Zambia below and then answer the questions that follow.

A Name river A. [1]
B Name lake B. [1]
C Name town C. [1]
D Name escarpment D? [1]
E Name watershed E. [1]
F Suggest two reasons why the area between the escarpment D and Lake Kariba is sparsely populated. [2]
G Suggest two uses of rivers shown on the map. [2]
H Suggest three effects of the opening of the mines in Northwestern province. [3]
I Name two main tourist attractions found in Northwestern Province. [2]
J What is meant by the term “watershed”? [1]

[15 marks]
2 Study the map below showing vegetation zones and then answer the questions that follow.

A Name vegetation zones A and B. [2]

B Name two tree species found in the exotic forests. [2]

C Name the type of timber found in vegetation zone C. [1]

D State two factors which favour the exploitation of timber in vegetation zone C. [2]

E Mention two characteristics of the exotic forests. [2]

F Suggest two ways in which vegetation in zone B is important. [2]

G State two roles of the Forestry Department in the conservation of forests. [2]

H State two effects of charcoal burning on the natural environment. [2]

[15 marks]

[Turn over]
Study the table below which shows some selected traditional ceremonies found in Zambia and then answer the questions that follow.

<table>
<thead>
<tr>
<th>Ceremony</th>
<th>Tribe</th>
<th>District</th>
<th>Month</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lwiindi</td>
<td>Tonga</td>
<td>Monze</td>
<td>July</td>
</tr>
<tr>
<td>N'cwala</td>
<td>Ngoni</td>
<td>Chipata</td>
<td>February</td>
</tr>
<tr>
<td>Likumbi Lyamize</td>
<td>Luvale</td>
<td>Zambezi</td>
<td>August</td>
</tr>
<tr>
<td>Kazanga</td>
<td>Nkoya</td>
<td>Kaoma</td>
<td>August</td>
</tr>
<tr>
<td>Ukusefya Pang'wena</td>
<td>Bemba</td>
<td>Kasama</td>
<td>August</td>
</tr>
<tr>
<td>Kuomboka</td>
<td>Lozi</td>
<td>Mongu</td>
<td>March</td>
</tr>
<tr>
<td>Umulomboko</td>
<td>Lunda</td>
<td>Mwense</td>
<td>July</td>
</tr>
<tr>
<td>Shimunenga</td>
<td>Ila</td>
<td>Namwala</td>
<td>September</td>
</tr>
<tr>
<td>Kulamba</td>
<td>Chewa</td>
<td>Katete</td>
<td>August</td>
</tr>
<tr>
<td>Ngondo</td>
<td>Namwangas</td>
<td>Isoka</td>
<td>November</td>
</tr>
</tbody>
</table>

A  Name two traditional ceremonies which are held during the rainy season. [2]
B  What are the two most important traditional ceremonies which attract international tourists? [2]
C  What means of transport is used by tourists who come to view traditional ceremonies in Zambia? [1]
D  Name two ceremonies which are held for thanksgiving for good harvest. [2]
E  Give two reasons why most traditional ceremonies attract very few tourists. [2]
F  Name two tourist attractions in Livingstone. [2]
G  Give two benefits of tourism to Zambia. [2]
H  State two roles of the Zambia National Tourist Board. [2]

[15 marks]
Study the graph below which shows fish production in Zambia in 1990 and 2000 and then answer the questions that follow.

A. Name two fisheries that Zambia shares with other countries. [2]

B. Name two species of fish caught in Lake Tanganyika fishery. [2]

C. State two fishing methods used by fishermen on the Lukanga swamps. [2]

D. Calculate the difference in fish production from Lake Bangweulu between 1990 and 2000. [1]


F. Suggest two ways in which the government helps to conserve fish in the fisheries shown above. [2]

G. Give two reasons why Lukanga swamps is a suitable habitat for fish. [2]

H. Give two reasons why fishing is important to people. [2]

[15 marks]

[Turn over]
SECTION B

5 Study the map of Africa below and then answer the questions that follow.

A Name rivers A and B. [2]
B Name the drainage basin C. [1]
C Name gulf D and canal E. [2]
D What type of mountain is the Atlas? [1]
E Give two reasons why there are few natural harbours along the coast of Africa? [2]
F State two obstacles that prevent rivers A and B from being navigable. [2]
G State two problems faced by farmers in region F. [2]
H Name two agricultural produce grown in the region between the Atlas mountain and the tropic of cancer. [2]
I State one measure that has been taken to increase agricultural production in the area mentioned in question H. [1]

[15 marks]
Study the map below and then answer the questions that follow.

A  Name town A. [1]
B  Name Lake B. [1]
C  Name country C. [1]
D  Name drainage feature D. [1]
E  Name any natural region located between latitudes X and Y. [1]
F  State two effects of drought in the region south of the latitude X on the lower Nile river. [2]
G  Name two methods of irrigation practiced in Egypt. [2]
H  Apart from irrigation and HEP generation, name two other uses of the Nile river. [2]
I  Name two major crops cultivated under irrigation in the area between the White and the Blue Nile. [2]
J  Name two diseases which may be of great danger to the people living in the Nile valley. [2]

[15 marks]

[Turn over]
Study the table below which shows population characteristics and then answer the questions that follow.

<table>
<thead>
<tr>
<th>Country</th>
<th>Population in millions</th>
<th>Area (Km²)</th>
<th>Population Growth Rate</th>
<th>Life Expectancy</th>
<th>Urban Population (%)</th>
<th>Infant Mortality Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Benin</td>
<td>7 041 000</td>
<td>113 000</td>
<td>3.0</td>
<td>51</td>
<td>43</td>
<td>86</td>
</tr>
<tr>
<td>Burkina Faso</td>
<td>13 228 000</td>
<td>274 000</td>
<td>3.0</td>
<td>44</td>
<td>17</td>
<td>94</td>
</tr>
<tr>
<td>Cameroon</td>
<td>15 746 000</td>
<td>475 000</td>
<td>2.0</td>
<td>46</td>
<td>50</td>
<td>65</td>
</tr>
<tr>
<td>Ivory Coast</td>
<td>16 962 000</td>
<td>322 000</td>
<td>2.0</td>
<td>43</td>
<td>44</td>
<td>92</td>
</tr>
<tr>
<td>Ghana</td>
<td>20 468 000</td>
<td>239 000</td>
<td>1.0</td>
<td>57</td>
<td>36</td>
<td>81</td>
</tr>
<tr>
<td>Mali</td>
<td>11 626 000</td>
<td>1 240 000</td>
<td>3.0</td>
<td>45</td>
<td>31</td>
<td>104</td>
</tr>
<tr>
<td>Niger</td>
<td>11 059 000</td>
<td>1 267 000</td>
<td>3.0</td>
<td>42</td>
<td>90</td>
<td>123</td>
</tr>
<tr>
<td>Nigeria</td>
<td>133 882 000</td>
<td>924 000</td>
<td>3.0</td>
<td>51</td>
<td>45</td>
<td>72</td>
</tr>
</tbody>
</table>

A  Calculate the population density of Mali.  [1]

B  Which country has the largest population?  [1]

C  What is meant by the term, ‘urbanisation’?  [1]

D  Name the country with the highest rate of urbanization.  [1]

E  Give two reasons why the country mentioned in question D has the highest rate of urbanization.  [2]

F  Name two countries with the highest growth rate.  [2]

G  State two effects of rapid population growth in West Africa.  [2]

H  Give two reasons why life expectancy is higher in Ghana than in Niger.  [2]

I  Suggest three ways in which infant mortality rate can be reduced in Niger.  [3]
SECTION C

Study the map below and then answer the questions that follow.

A  Name Latitude A.  [1]

B  What is the name of the shaded climatic region B?  [1]

C  Name town C.  [1]

D  Give two climatic characteristics of town C.  [2]

E  Give two reasons why trees increase in size and density from town C to the coast.  [2]

F  State two ways in which grass is adapted to the climatic region B.  [2]

G  Give two reasons why climatic region B is a home of big game (animals).  [2]

H  Mention two major specific agricultural activities practiced in the area around town C.  [2]

I  State two environmental problems faced by farmers in the shaded region.  [2]

[15 marks]

[Turn over]
9 Study the table below and then answer the questions that follow.

Station X, Latitude 16ºN

<table>
<thead>
<tr>
<th>Month</th>
<th>Jan</th>
<th>Feb</th>
<th>Mar</th>
<th>Apr</th>
<th>May</th>
<th>Jun</th>
<th>Jul</th>
<th>Aug</th>
<th>Sep</th>
<th>Oct</th>
<th>Nov</th>
<th>Dec</th>
</tr>
</thead>
<tbody>
<tr>
<td>Temp</td>
<td>26</td>
<td>26</td>
<td>27</td>
<td>29</td>
<td>31</td>
<td>33</td>
<td>35</td>
<td>34</td>
<td>33</td>
<td>32</td>
<td>30</td>
<td>27</td>
</tr>
<tr>
<td>°C</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rainfall</td>
<td>38</td>
<td>15</td>
<td>15</td>
<td>20</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>8</td>
<td>18</td>
<td>36</td>
</tr>
<tr>
<td>(mm)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

A What is the annual temperature range for Station X? [1]

B What is the total annual rainfall for Station X? [1]

C Give two reasons why Station X has no rainfall between May and September. [2]

D Station X experiences high temperature throughout the year. State two reasons why this is so. [2]

E State three ways in which the people have adapted to live in the climatic region for Station X. [3]

F Give two reasons why soils normally lack humus in the climatic region represented by Station X. [2]

G Name two minerals mined in the climatic region mentioned above. [2]

H State two techniques used to increase agricultural production. [2]

[15 marks]
10 Study the map of North America below and then answer the questions that follow.

A Name Lake A.  
B Name river B.  
C Name the major crop grown in the shaded area.  
D State two climatic factors which favour commercial production of the crop mentioned in question C.  
E Define the terms:  
(i) Extensive farming  
(ii) Mixed farming  
F Name two areas in Zambia where the crop mentioned in question C is grown on a large scale.  
G State two problems faced by farmers who grow the crop mentioned in question C in Zambia.  
H Name two products obtained from the crop grown in the shaded area.  
I Give two reasons why the production of the crop is more mechanized in the shaded area than in Zambia.  

[15 marks]  
[Turn over]