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.
SECTION A

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

1  The six-figure grid reference of the sewage near the railway line is ... 
   A  168450.  
   B  180442.  
   C  442180.  
   D  450168.  

2  The distance along the main tarred road from grid reference 469167 to the bridge in grid square 4217 is approximately ... 
   A  3.2 km.  
   B  4.2 km.  
   C  5.2 km.  
   D  6.2 km.  

3  The bearing of the school in grid square 4417 from the pumping station in grid square 4315 is approximately ... 
   A  43°  
   B  133°  
   C  223°  
   D  317°  

4  What is the general direction of flow of the Sichikwenkwe river? 
   A  South West to North East  
   B  South East to North West  
   C  North West to South East  
   D  North East to South West  

5  What is the type of vegetation found in grid square 3713? 
   A  Open bushes  
   B  Light forests  
   C  Grassland  
   D  Forest  

6  The main type of drainage pattern formed by river Sichikwenkwe and its tributaries is ... 
   A  dendritic.  
   B  radial.  
   C  rectangular.  
   D  trellis.
Study the map extract below and answer questions 7 and 8.

7. Area A is mainly used for ...
   A. cultivation.
   B. mining.
   C. ranching.
   D. tourism.

8. There is generally no tarred road in the shaded area A because ...
   A. of the presence of scattered cultivation.
   B. the area is hilly.
   C. there is a local forest.
   D. the area is swampy and experiences flooding.

9. What is the most likely occupation of the people who live in the area shown on the map?
   A. Farming
   B. Mining
   C. Pottery
   D. Poultry
10 What is the approximate height of Matondo siding in grid square 3617?
A 1220 m
B 1240 m
C 1260 m
D 1280 m

11 The general settlement pattern of Kalomo town is ...
A dispersed.
B isolated.
C nucleated.
D random.

12 According to map evidence which of the following services is not provided by Kalomo town?
A Education
B Health
C Security
D Transport

SECTION B
Study the world map below and then answer questions 13, 14, 15, 16 and 17.
13 What is the name of the ocean current A?
   A  East Australian
   B  North Atlantic Drift
   C  North Pacific Drift
   D  South equatorial

14 The Island labelled B is . . .
   A  Greenland.
   B  Iceland.
   C  Sri Lanka.
   D  Tasmania.

15 What is the name of river C?
   A  Benue
   B  Congo
   C  Niger
   D  Senegal

16 What type of mountain range is D?
   A  Block mountains
   B  Fold mountains
   C  Volcanic mountains
   D  Residual mountains

17 The most important agricultural export carried along route E from the South American coast is . . .
   A  cocoa.
   B  cotton.
   C  hides.
   D  groundnuts.
Study the map below and answer questions 18 and 19.

18 The shaded area K is important for the cultivation of ... 
A fruits.  
B rice.  
C tea.  
D wheat.

19 Which statement is correct about the farming characteristic of the shaded area K?  
A Cultivation is extensively done.  
B Cultivation is intensively done.  
C Employs a large work force.  
D Has high yields per hectare.

20 Which one of the following crops is grown in desert areas?  
A cocoa  
B coffee  
C cotton  
D rubber
21 Which one of the following countries has the greatest potential of water power resources?
   A Congo D. R.
   B Libya
   C Malawi
   D South Africa

22 Which one of the following statements is **not** a disadvantage of solar energy?
   A It is limited to domestic use.
   B It is non renewable.
   C Solar panels cannot produce sufficient power.
   D The storage batteries require frequent replacing.

Study the map of Africa below and answer question 23.

23 The Hydro-Electric Power Station X is •••
   A Akosombo.
   B Inga.
   C Kainji.
   D Owen.
24 Which one of the following countries is not likely to experience convectional rainfall?

A  India  
B  Greenland  
C  Mexico  
D  Zambia  

25 The instrument used to measure the amount and intensity of sunshine is called •••

A  hygrometer.  
B  sunshine recorder.  
C  thermometer.  
D  anemometer.  

26 The recording of the hygrometer were •••

Dry bulb 40°C  
Wet bulb 40°C  
What was the relative humidity?

A  0%  
B  40%  
C  80%  
D  100%  

Study the diagrams below for places X and Y and answer questions 27 and 28.
27 Which rainfall amounts correctly suit the vegetation for places X and Y above.

<table>
<thead>
<tr>
<th></th>
<th>X</th>
<th>Y</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>408 mm</td>
<td>2 500 mm</td>
</tr>
<tr>
<td>B</td>
<td>813 mm</td>
<td>2 000 mm</td>
</tr>
<tr>
<td>C</td>
<td>2 000 mm</td>
<td>813 mm</td>
</tr>
<tr>
<td>D</td>
<td>2 500 mm</td>
<td>408 mm</td>
</tr>
</tbody>
</table>

28 The type of vegetation associated with Y is ...  
A coniferous. 
B deciduous. 
C evergreen. 
D xerophytic.
Study the map of Africa below and answer questions 29 and 30.

29 In which seasons do areas Y and Z receive rainfall?

<table>
<thead>
<tr>
<th></th>
<th>Area Y</th>
<th>Area Z</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Winter</td>
<td>Summer</td>
</tr>
<tr>
<td>B</td>
<td>Winter</td>
<td>All year round</td>
</tr>
<tr>
<td>C</td>
<td>Summer</td>
<td>Winter</td>
</tr>
<tr>
<td>D</td>
<td>All year round</td>
<td>Winter</td>
</tr>
</tbody>
</table>

30 The climatic region shaded X on the map is ...

A desert.
B mediterranean.
C savanna.
D temperate.
Study the graph below which shows mean monthly temperatures for station W and answer question 31.

31 What is the likely geographical location of station W?
   A Northern Hemisphere in the tropics.
   B Northern Hemisphere in the Mediterranean.
   C Southern Hemisphere in the tropics.
   D Southern Hemisphere in the temperature regions.

32 The term birth-rate means the number of  
   A deaths per family per year.
   B deaths per thousand population per year.
   C live births per family per year.
   D live births per thousand population per year.

33 The reason why the population density is high around lake Victoria is due to  
   A farming and fishing.
   B lack of land and overcrowding.
   C migration and high birth-rate.
   D mining and tourism.
Study the table below and answer questions 34 and 35.

<table>
<thead>
<tr>
<th>COUNTRY</th>
<th>PERCENTAGE OF RURAL POPULATION</th>
<th>PERCENTAGE OF PEOPLE BELOW THE POVERTY LEVEL</th>
<th>TOTAL POPULATION (000)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Belgium</td>
<td>3</td>
<td>15.2</td>
<td>10 216</td>
</tr>
<tr>
<td>Gabon</td>
<td>16</td>
<td>-</td>
<td>1 577</td>
</tr>
<tr>
<td>Ghana</td>
<td>55</td>
<td>28.5</td>
<td>24 791</td>
</tr>
<tr>
<td>Paraguay</td>
<td>43</td>
<td>19.4</td>
<td>6 459</td>
</tr>
<tr>
<td>Zimbabwe</td>
<td>65</td>
<td>80</td>
<td>12 084</td>
</tr>
</tbody>
</table>

34 What is the total population of the non-African countries from the table?
A 3 757  
B 16 675  
C 16 675 000  
D 38 452 000

35 Which of the following countries has the lowest percentage of rural population?
A Gabon  
B Ghana  
C Paraguay  
D Zimbabwe

36 Which one of the following is not a problem of conducting census in Zambia?
A Customs and beliefs affect information collected.  
B It is always conducted every after 10 years.  
C It is very expensive.  
D People give wrong information.
Study the map of Zambia below and answer questions 37, 38, 39 and 40.

37 What is the name of waterfall O?
   A  Ngonye  
   B  Kalambo  
   C  Mambilima  
   D  Victoria  

38 Province P is ...
   A  Central.  
   B  Copperbelt.  
   C  Northern.  
   D  North Western.  

39 Relief feature Q is called ...
   A  Luangwa valley.  
   B  Muchinga escarpment.  
   C  Tonga plateau.  
   D  Zambezi valley.  

40 Which one of the following combination shows the major occupation in area Q?
   A  Farming and fishing.  
   B  Farming and forestry.  
   C  Fishing and forestry.  
   D  Fishing and tourism.