PENTAGON JOINT EXAMINATION - 2013
WARENG DISTRICT
Kenya Certificate of Secondary Education (KCSE)
FORM FOUR

INSTRUCTIONS TO CANDIDATES
* This paper consists of two sections A and B.
* Answer ALL the questions in section A. In section B answer question 6 and any other two questions.
* All answers must be written in the answer sheets provided.
SECTION A
Answer ALL the questions in this section.

1. (a) Define the term mining. (2Marks)
(b) Name any three fossil fuels and energy minerals. (3Marks)

2. (a) What is a photograph? (1Mark)
(b) Name two types of aerial photographs. (2Marks)
(c) Define the term “dead ground” in reference to a photograph. (2 Marks)

3. (a) Differentiate between transport and communication. (2Marks)
(b) State three disadvantages of road transport. (3Marks)

4. (a) Define the term derived vegetation. (2Marks)
(b) State any three edaphic and pedological factors influencing vegetation distribution. (3Marks)

5. (a) Define the term industry (2Marks)
(b) State any three significances of industrialization in Kenya. (3Marks)

SECTION B
Answer question 6 and any other two questions.

6. The table below shows the number of visitors (in 000’) to selected game parks and reserves between 2006 and 2008.

<table>
<thead>
<tr>
<th>Park / Reserve</th>
<th>2006</th>
<th>2007</th>
<th>2008</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nairobi</td>
<td>101.8</td>
<td>93</td>
<td>91.8</td>
</tr>
<tr>
<td>Amboseli</td>
<td>153.2</td>
<td>156.4</td>
<td>84.7</td>
</tr>
<tr>
<td>Tsavo West</td>
<td>130.9</td>
<td>134.8</td>
<td>71.2</td>
</tr>
<tr>
<td>Tsavo East</td>
<td>223.3</td>
<td>237.1</td>
<td>110.9</td>
</tr>
<tr>
<td>Lake Nakuru</td>
<td>327</td>
<td>346.8</td>
<td>137.7</td>
</tr>
<tr>
<td>Maasai Mara</td>
<td>316.5</td>
<td>312</td>
<td>59.6</td>
</tr>
</tbody>
</table>

(a) Use the information shown in the table to draw a pie chart to show the visitors to the parks in the year 2008. Use a radius of 5cm. (8Marks)

(b) i) Name other technique that could be used to present this information apart from a pie chart. (1Mark)
ii) Give the highest number of tourists received in these parks. (1Mark)
iii) Explain the main reason for the drop in number of tourists in the year 2008. (2Marks)

(c) i) Mention three kinds of tourists attractions in these parks. (3Marks)
ii) Explain three problems associated with tourism in Kenya. (6Marks)
(d) Explain two reasons why Switzerland is a more preferred tourist destination than Kenya. (4Marks)

7. (a) i) Define a forest. (2Marks)
    ii) Name two indigenous soft wood trees in Kenya. (2Marks)

   (b) i) Explain three advantages of planted softwood forests in Kenya. (6Marks)
    ii) Explain four problems facing commercial exploitation of tropical hardwood forests. (8Marks)

   (c) Compare soft wood forests in Kenya and those in Canada under the following headings:
    i) Type of trees (2Marks)
    ii) Method of exploitation. (2Marks)

   (d) State three methods used by the government of Kenya to conserve the Mau forest. (3Marks)

8. (a) Name two breeds of dairy cattle reared in Kenya. (2Marks)

   (b) State four factors that favour dairy farming in Denmark (4Marks)

   (c) State five problems faced by dairy farmers in Kenya. (5Marks)

   (d) Explain six factors that favour beef farming in Argentina. (6Marks)

   (e) Explain four ways in which the government of Kenya could assist nomadic pastoralists to improve the quality of their livestock. (8Marks)

9. (a) i) Differentiate between land rehabilitation and land reclamation. (4Marks)
    ii) State four conditions that makes it necessary to rehabilitate and reclaim land. (4Marks)

   (b) i) State five factors that influenced the location of Perkerra irrigation scheme. (5Marks)
    ii) Explain any four significance of irrigation farming in Kenya. (8Marks)
    iii) State four disadvantages of overhead irrigation method. (4Marks)

10. (a) i) What is fishing. (2Marks)
    ii) Differentiate between pelagic fishing and demersal fishing. (4Marks)

    (b) i) Name any three methods of fishing. (3Marks)
    ii) Name any three fisheries found in Kenya. (3Marks)
(c)  

i) Explain any **three** possible solutions to fishing problems in Kenya.  

ii) Name **three** fish species found on Lake Victoria.  

iii) State **four** factors contributing to success of Japanese fishing industry.