1. **Table 1**: Area of provinces in the republic of South Africa.

<table>
<thead>
<tr>
<th>Province</th>
<th>Area in Km²</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cape</td>
<td>950,000</td>
</tr>
<tr>
<td>Transvaal</td>
<td>540,000</td>
</tr>
<tr>
<td>Orange free state</td>
<td>350,000</td>
</tr>
<tr>
<td>Natal</td>
<td>280,000</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>2,120,000</strong></td>
</tr>
</tbody>
</table>

Table II: Land in percentage coverage

<table>
<thead>
<tr>
<th>Province</th>
<th>Forestry</th>
<th>Agriculture</th>
<th>Settlement</th>
<th>Waste land</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cape</td>
<td>30</td>
<td>25</td>
<td>20</td>
<td>25</td>
</tr>
<tr>
<td>Transvaal</td>
<td>15</td>
<td>40</td>
<td>33</td>
<td>12</td>
</tr>
<tr>
<td>Orange Free State</td>
<td>04</td>
<td>20</td>
<td>60</td>
<td>16</td>
</tr>
<tr>
<td>Natal</td>
<td>13</td>
<td>56</td>
<td>25</td>
<td>06</td>
</tr>
</tbody>
</table>

a) Construct a compound divided rectangle to show the information contained in table I and II.
b) State the merits and demerits of Using the method in (a) above.
c) Comment on the nature of the agricultural land use in the provinces as shown by the method in (A) above.
d) Name the type of commercial crop production in cape province and explain the factors for its development.

**SECTION B**

2. Assess the impact of mining industry on the environment in either Germany or Democratic Republic of Congo (Zaire)

3. Discuss the effects of Industrialization of the environment in either the Rand of the republic of South Africa or the Great Lakes region of U.S.A.

**S.6 Geography**

1. To what extent has human activities responsible for the occurrence of landslides in East Africa?
2. a) Distinguish between radial and dendritic pattern
   b) Explain the influence of rock structure on development of drainage patterns in East Africa.
   c) Discuss the factors which influence the long profile development of rivers in East Africa.
3. Discuss the influence of the prevailing winds on the climate of East Africa.

**S.6 GENERAL PAPER**

**Either 1:** Examine the significance of a population census to a country.

**Or 2:** Examine the importance of a national language to a country.

**S.6 Literature Holiday work**

Alex La Guma: A walk in the Night.

Obtain a copy of the above novel by Alex La Guma and write six page analysis on the following

1. The story 5 marks
2. The plot 5 marks
3. Notes on the following
   1. Main character 7 marks
   2. Minor character 4 marks
   4. Themes and idea 7 marks
   5. The narrative techniques 7 marks

34 marks

*Also read* The moon also sets by Osita Ogbi

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Wole Soyinka: Kongi’s Harvest

Examine the signifcance of Kongi’s harvest in ‘Kongi’s Harvest’.

**S.6 CRE P245/4**
1. Christian approaches to social and ethical issues.
2. Account for the poor attitude towards work among Ugandans. (12 marks)
3. How can the bible teaching on work help people to have a positive attitude to work? (13 marks)
4. Examine the different ways in which leisure is abused by the youth today? (12 marks)
5. As a Christian what advice can you give to the youth on how to spend leisure time? (13 marks)

S 6 holiday work CRE 245/2

1. Analyze the factors that favored the rapid expansion of church into Europe and Asia Minor by the end of the first century.
2. “Whoever wants to be great among you must be your servant and whoever wants to be the first must be the slave of all” (Mark 10:43-44)
   a) Analyze the meaning of the above statement (request of James and John).
   b) In what ways are church leaders today following the teaching of Jesus?
3. Comment on the part played by Peter in the ministry of Jesus according to the gospels.
4. Justify Paul’s teaching to the Corinthians about food offered idols.
   b) How can this teaching be of relevance to the Ugandan church today?

S 6 holiday work CRE P245/1

OLD TESTAMENT. Attempt 2 questions.

1. Comment on characteristics of God’s covenant with Abraham.
2. Why did Moses instruct Israelites to wipe blood n the door posts and beams of their houses?
   a) How significant is this event to Christians today?
3. Discuss the nature of God as derived from mountain Carmel contest.
   a) What lessons can Christians learn from the above contest?
4. Why did Amos pronounce judgment to the people of Israel?
1. The population growth of two related aquatic microorganisms of species A and B were investigated together in two sets of culture media. In the first set both species were cultured in long cylindrical vessels while in the second set the micro-organisms were cultured in shallow petri-dishes.

Figure 1 below shows the population growth pattern of species A and B in the first set while figure 2 shows the population growth pattern of species A and B in the second set. Study the figures and use them to answer the questions that follow.

(a) Describe the population growth pattern of the two species A and B cultured in shallow Petri-dishes. (7 marks)

(b) For each species, outline the differences in the population patterns in both sets (shallow Petri-dish and long cylindrical vessels). (8 marks)

(c) Explain the difference in the population growth pattern observed in 1(b) above. (10 marks)

(d) Describe the suitable method used to determine the population size of the microorganisms being investigated. (7 marks)

(e) Explain the external factors that limit the population growth of microorganisms in the culture medium. (8 marks)
SECTION B

2. (a) Explain the main features of Darwin’s theory of evolution. (12 marks)
(b) The beetles belonging to the genus Colophon are unable to fly and are found on hilltops in three areas in South Africa. Suggest an explanation for the following observations:
(i) All these beetles are of similar general appearance. (2 marks)
(ii) There are slight differences between the species of Colophon found in the three areas. (3 marks)
(iii) The fact that the beetles of genus Colophon are unable to fly has been important in evolution of twelve different species of the genus in a small area of South Africa. (3 marks)

3. (a) What is meant by
   (i) Green house effect. (2 marks)
   (ii) Eutrophication. (2 marks)
(b) To what extent has human activity contributed to enhancement of greenhouse effect? (10 marks)
(c) Suggest practical remedies to the greenhouse effect problem. (6 marks)
1. Christian approaches to social and ethical issues.
2. Account for the poor attitude towards work among Ugandans. (12 marks)
3. How can the bible teaching on work help people to have a positive attitude to work? (13 marks)
4. Examine the different ways in which leisure is abused by the youth today? (12 mks)
5. As a Christian what advice can you give to the youth on how to spend leisure time? (13 mks)