



# TOM NEWBY SCHOOL TEST



1

## MEMO

|         |               |             |                   |
|---------|---------------|-------------|-------------------|
| Subject | Geography     | Examiner    | Mrs. v Copenhagen |
| Date    | November 2021 | Total marks | 30 marks          |
| Grade   | 5             | Duration    | 1 hour            |
|         |               | Moderator   | Miss Botha        |

| QUESTIONS  | ANSWERS                                                                                                                                                                                                                                                              | MARK | LEVEL |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------|
| SECTION A  |                                                                                                                                                                                                                                                                      | [10] |       |
| QUESTION 1 |                                                                                                                                                                                                                                                                      |      |       |
| 1.1        | B                                                                                                                                                                                                                                                                    | 1    | 1     |
| 1.2        | F                                                                                                                                                                                                                                                                    | 1    | 1     |
| 1.3        | A                                                                                                                                                                                                                                                                    | 1    | 1     |
| 1.4        | C                                                                                                                                                                                                                                                                    | 1    | 1     |
| 1.5        | D                                                                                                                                                                                                                                                                    | 1    | 1     |
| QUESTION 2 |                                                                                                                                                                                                                                                                      |      |       |
| 2.1        | Resources that cannot be replaced when they have been used up.                                                                                                                                                                                                       | 1    | 2     |
| 2.2        | Coal in the place where it formed.                                                                                                                                                                                                                                   | 1    | 2     |
| 2.3        | A wetland with some trees growing in it.                                                                                                                                                                                                                             | 1    | 2     |
| 2.4        | Resources that can be replaced and reused again.                                                                                                                                                                                                                     | 1    | 2     |
| 2.5        | The damaging of air, water or land with dirt or chemicals.                                                                                                                                                                                                           | 1    | 2     |
| SECTION B  |                                                                                                                                                                                                                                                                      | [10] |       |
| QUESTION 3 |                                                                                                                                                                                                                                                                      |      |       |
| 3.1        | Warm and receives rainfall during summer, and warm dry winters.                                                                                                                                                                                                      | 2    | 3     |
| 3.2        | Many savannahs, tree densities are higher, and trees are more regularly spaced than in forests.                                                                                                                                                                      | 1    | 5     |
| 3.3        | Because they are highly prone to lightning storms and have an ideal fire climate, comprising a distinct wet season when plant materials can grow and accumulate and a dry season when they become highly flammable plant fuels. Also, most times human causes fires. | 1    | 4     |

|            |                                                                                                                                                                                                                                                                                                                                              |      |   |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---|
| 3.4        | Some plants store water in their roots. When fires burn the stems, the water allow the plant to grow again. Some trees have a thick bark to protect them from being damaged by fires.                                                                                                                                                        | 2    | 3 |
| 3.5        | Springbok, buffalo, giraffes, and wildebeest                                                                                                                                                                                                                                                                                                 | 2    | 3 |
| 3.6        | - where the grasses are not eaten by animals, so there are few animals in the area.<br>- where grasses are eaten by animals so the are many animals in the area.                                                                                                                                                                             | 2    | 3 |
| SECTION C  |                                                                                                                                                                                                                                                                                                                                              | [10] |   |
| QUESTION 4 |                                                                                                                                                                                                                                                                                                                                              |      |   |
| 4.1        | Non renewable                                                                                                                                                                                                                                                                                                                                | 1    | 2 |
| 4.2        | - Dead plant and animal matter from millions of years ago gets covered with mud, rain, and lava.<br>- The weight of the layers on top of each other causes pressure and heat and so the once living trees change to dead carbon.<br>- Coal is found in layers with the oldest layers deep down and the youngest layers close to the surface. | 3    | 5 |
| 4.3        | Soaps, aspirins, fertilizers, dyes, solvents, shampoos, tennis rackets, mountain bikes and fabrics.                                                                                                                                                                                                                                          | 1    | 4 |
| 4.4        | <b>a) Air pollution</b><br>-Dust from drilling and blasting pollutes the air.<br>-In coal mines, digging coal out of the ground releases harmful gases into the air.<br>-Wind lifts fine particles of rock in waste dumps into the air.<br>-Coal mine dumps often catch fire. The burning coal releases harmful gases.                       | 1    | 4 |

|       |                                                                                                                                                                                                                                                                                                                                             |      |   |
|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---|
|       | <b>b) Water pollution</b><br><br>-Rainwater passing through mine dumps is polluted by dust and chemicals in the dumps.<br>-Chemicals are added to water to separate minerals from the rock. The wastewater is often piped into a river.<br>-Polluted water from inside the mine flows onto the surface. This is known as acid mine drainage | 1    |   |
| 4.5   | -Rockfalls: More miners are killed by rock falls underground than any other accidents.<br>-Heat stroke: The hard work for long hours at high temperature causes some miners to collapse.<br>-Lung disease: The dust from blasted rock damages miners' lungs and affects their breathing.                                                    | 3    | 4 |
| TOTAL |                                                                                                                                                                                                                                                                                                                                             | [30] |   |