



Noah's Ark Independent Primary School

Subject: NS&T	Examiner: Moyo, S.
Type: Mid-Year Exams	Moderator: Rwizi, A.
Date: 25 June 2021	Grade: 5-____
Marks: 50 Marks	Time: 1 hour 30 minutes

Name: _____

Instructions

Carefully read all the questions before you start writing.

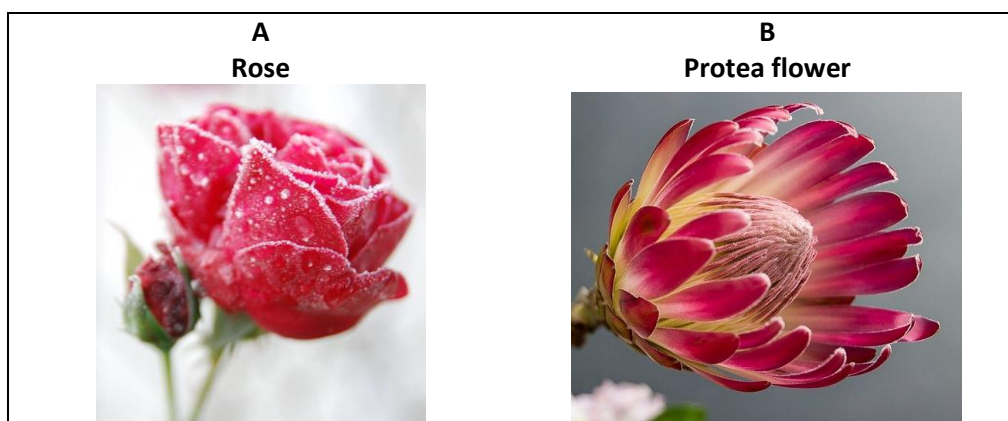
Answer ALL the questions in the spaces provided.

Write neatly and legibly

Section A: Life, living and technology

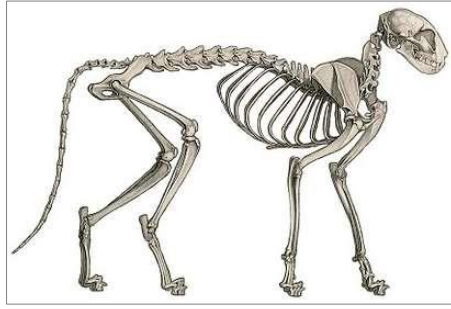
1. Plants and animals need each other to survive. What do we call the relationship between plants and animals? (1)

2. Which one of the following plants is indigenous to South Africa? (1)



Source: Assessment 9/1, Term 1 2021, Grade 5 NS&T Test

3. Study the image below then answer the questions that follow.



Source: Assessment 9/11, Term 1 2021, Grade 5 NS&T Test

3.1 Is this cat skeleton an example of a Shell or Frame Structure? (1)

3.2 Give a reason for your answer in 3.1 (2)

3.3 Compare the properties of vertebrates and invertebrates in a table below. Give two points for each. (2)

Vertebrates	Invertebrates

3.4 Study the following article extract and answer the questions that follow.

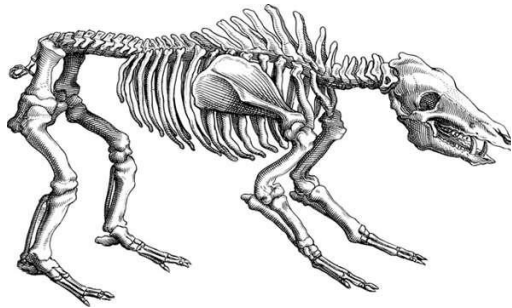
TAKE NOTE! Not all the answers can be found in the article.

Meet Serabie, A Lioness Who Loves To Play Fetch!

While a wild cat chasing down prey sounds perfectly reasonable, one who sprints to fetch sticks might seem a little odd.

However, that is precisely what Serabie, a rescued adult lioness at the Emoya Big Cat Sanctuary in South Africa's Limpopo province, loves to do.

To the utter bewilderment of her male counterparts, Tau and Raka, the majestic animal chases down each one with a ferocity the cats usually reserve for hunting.



Lion Skeleton



Serabie and Raka.

Source: Assessment 9/1, Term 2 2021 Grade 5 NST Examination

3.4.1 We know that the lion is one of the animals in South Africa's 'Big Five'. Name one other animal of the Big Five. (1)

3.4.2 Give a sentence (or part of a sentence) from the article that shows Serabie is NOT a wild lion. (1)

3.4.3 Explain the function of joints in an animal's body. (2)

3.4.4 Animals need food to carry out their life processes.
Name two of these life processes. (2)

4. Study the following article extract and answer the questions that follow.

TAKE NOTE! Not all the answers can be found in the article.

Giant Baobabs are Dying

Baobabs are huge trees that grow mainly in Africa. They can live for thousands of years.

Even though baobab trees seem to do well even when it is very dry, the heat of recent years seems to have been too much for the big trees. Now that temperatures are higher, and there are longer times without rain, the old trees seem to be drying out.



Chapman's baobab fell down in 2016.

And as the biggest trees dry out, they don't seem to be able to hold themselves up.

In the last 13 years, five out of the six biggest baobab trees have died or partly fallen down. The same thing is true for eight out of the 13 oldest trees. Scientists do not know for sure, but they think that the problem may be caused by climate change.

Source: Assessment 9/11, Term 2 2021/ Grade 5 NST Examination

4.1 What natural events are happening that are making the Baobab trees die? (3)

4.2 What do we call the process by which plants make their own food? (1)

4.3 Study the following sentences:

In the last 13 years, five out of the six biggest baobab trees have died or partly fallen down. The same thing is true for eight out of the 13 oldest trees.

Where in their life cycle were the eight trees? At the beginning or near the end of their life cycles? (1)

4.4 How many of the biggest baobab trees have died or partly fallen down? (2)

5. Flowers come in all colours, sizes and shapes but they all have the same function. What is the main function of a flower. (2)

6. Differentiate between a stigma and a stamen. (3)

Section B: Matter, materials and processing

7. Explain why some metals rust. Give an example of a metal object that will rust. (3)

8. Describe what you would do to ensure that the object in 7 will not rust. (2)

9. Complete the following sentences by choosing the correct answer in the bracket. (3)

9.1 Malleable means being able to be (hammered into shapes / drawn into wires).

9.2 Ductile means being able to be (hammered into shapes / drawn into wires).

9.3 One metal covered with another is called (alloys / plated).

10. The table below gives the properties of some metals. Study the table and then answer the questions below. Each time, give a reason for your answer.

	Temperature it melts (in degrees Celsius)	Strength	Corrodes or rusts	Heaviness	Cost
Silver	961	Medium	No	Medium	High
Gold	1063	Low	No	Medium	High
Lead	327	Low	No	High	Low
Aluminium	660	Medium	No	Low	Low
Steel	1500	High	Yes	Medium	Low

Source: Platinum Grade 5 Natural Science & Technology Remedial and Extension.

10.1 Which metal would you choose to make your own jewellery with? (3)

10.2 Which metal would you use for making a racing bicycle? (3)

11. State whether the following sentences are true / false. (3)

11.1 All metals are magnetic. -----

11.2 You can feel the pull of a magnet if you have a magnet and a magnetic metal. -----

11.3 Magnets only attract small pieces. -----

12. Complete the table below. Write one property and one use. (3)

Processed material	Properties	Use
Concrete		
Plastics		
Ceramics		

13. Indigenous people used clay bricks to build their homes. Motivate why they did so. (3)

14. Name two process in which indigenous people used grass and reeds. (2)

_____ / 50 Marks TOTAL