



KWAZULU-NATAL PROVINCE

EDUCATION
REPUBLIC OF SOUTH AFRICA

**GENERAL EDUCATION AND
TRAINING**

GRADE 5

**NATURAL SCIENCES AND TECHNOLOGY
PLC PRE-TEST MEMORANDUM 2025
TERM 4**

Time: 70 Minutes

Marks: 40

This memorandum consists of **3 pages** (excluding cover page).

SECTION A: ENERGY & CHANGE (60%)

QUESTION 1

- 1.1 C ✓ (1)
 - 1.2 A ✓ (1)
 - 1.3 D ✓ (1)
 - 1.4 C ✓ (1)
 - 1.5 A ✓ (1)
 - 1.6 B ✓ (1)
- [6]**

QUESTION 2

2.1 Any two of the damages of fire:

- Veld fires. ✓
- Damage of properties such Bezweni Lodge. ✓
- People died . (2)

2.2 Any two of following consequences:

- Air pollution. ✓
 - roads were closed. ✓
 - Some places have been closed.
 - People were relocated to other places. (2)
- 2.3 Oxygen. ✓ (1)
- 2.4 They reported the fire to the firefighters.✓ (1)

[6]

QUESTION 3

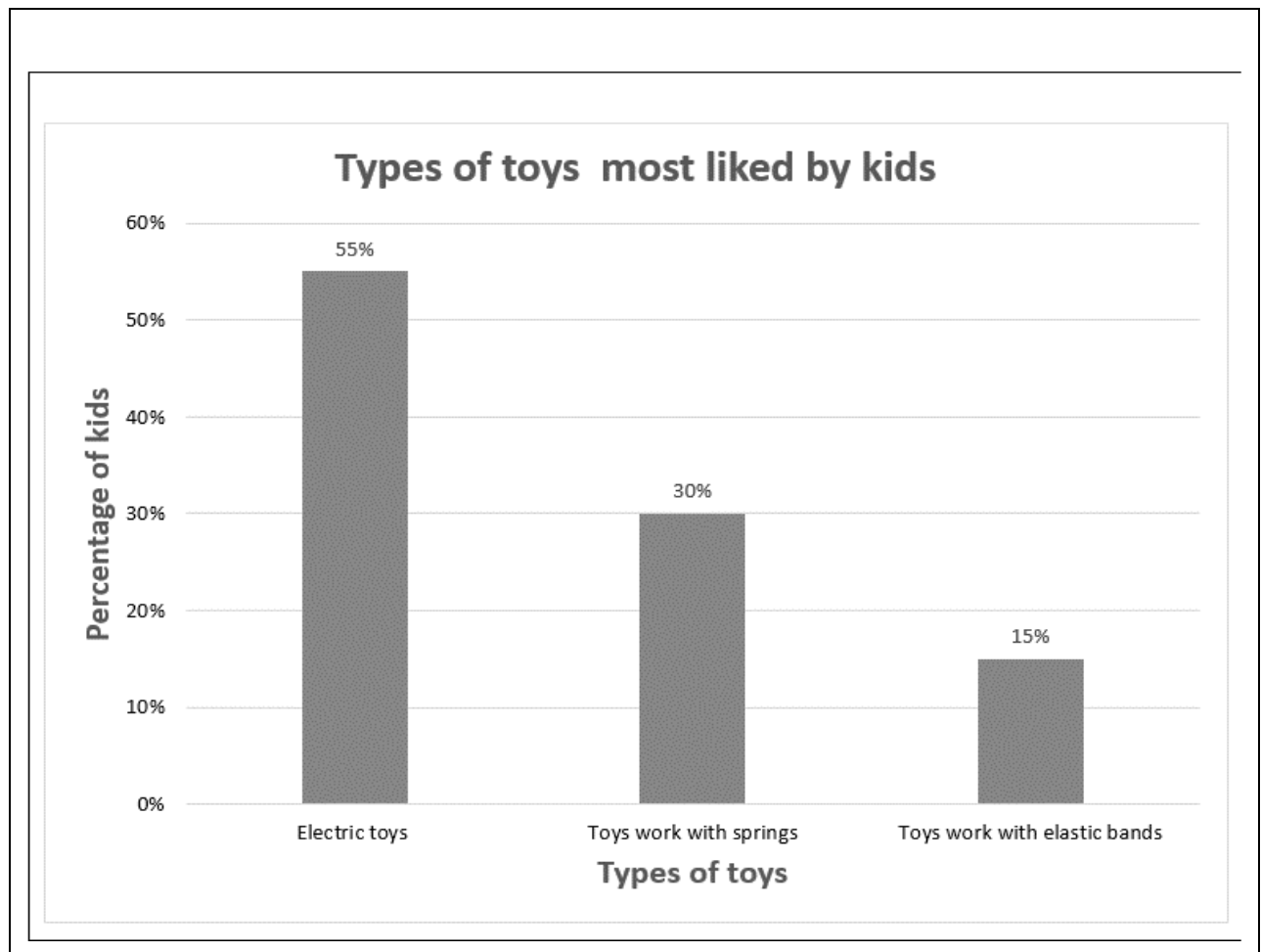
3.1 Any three from the following types of power stations.

- Hydropower station. ✓
- Coal-burning power station. ✓
- Solar power station. ✓
- Nuclear power station.
- Wind turbines power station. (3)

- 3.2 Coal-burning power station. ✓ (1)
- 3.3 Any answer from the following options.
- The smoke from burning coal causes pollution. ✓
 - Coals are expensive. ✓
- (2)
- [6]

QUESTION 4

4.1



NB: Marking criteria:

- Title (caption). ✓
- Correct Labelling of x-axis. ✓
- Correct Labelling of y-axis. ✓
- Correct plotting of electric toys. ✓
- Correct plotting of toys work with springs. ✓
- Correct plotting of toys work with elastic bands. ✓

[6]

SECTION B: EARTH & BEYOND (40%)

QUESTION 5

5.1. We get the 366 days or Leap year because in each year there is a quarter day✓ then in the

fourth year it become the full day. ✓

(2)

5.2. Loamy soil, ✓ this type of soil contains humus (decomposed composed) that make the soil

to be more fertile. ✓

(2)

5.3.1. Top soil. ✓

(1)

5.3.2. If a lot of fertile topsoil is lost by erosion there will be too little fertile soil left✓ to grow plants. ✓

(2)

[7]

QUESTION 6

6.1 **Any two of the three examples of sedimentary rock.**

-Shale. ✓

- Sandstone. ✓

- Limestone.

(2)

6.2 Sedimentary rock is formed when the soil is deposited into layers and cemented together✓ by pressure over long period of time. ✓

(2)

6.3 Trace Fossils✓ and Body Fossils. ✓

(2)

6.4 A – Trace fossil✓

B - Body Fossil✓

C - Body Fossil✓

(3)

[9]

Total Marks: 40

Weighing Grid for Grade 5 PLC Pre-Test Term 4 of 2025

Question Number	Low =50%	Middle= 35%	High=15%	TOTAL=100%
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Question 1

1.1	1			1
1.2	1			1
1.3	1			1
1.4	1			1
1.5	1			1
1.6	1			1

Question 2

2.1		1 1		2
2.2		1 1		2
2.3	1			1
2.4		1		1

Question 3

3.1	1 1 1			3
3.2		1		1
3.3			1 1	2

Question 4

4.1	1 1 1 1 1 1			6
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Question 5

5.1			1 1	2
5.2		1 1		2
5.3.1	1			1
5.3.2			1 1	2

Question 6

6.1	1 1			2
6.2		1 1		2
6.3		1 1		2
6.4		1 1		2
6.6	1			1

TOTAL	20	14	06	40 marks
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