LIMPOPO
PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA

DEPARTMENT OF
EDUCATION

NATIONAL SENIOR CERTIFICATE

GRADE 10

MATHEMATICAL LITERACY P2

MID-YEAR EXAMINATION

JUNE 2025

MARKS: 50 **TIME: 1 HOUR**

This question paper consists of 7 pages including ANNEXURE.

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INSTRUCTIONS AND INFORMATION

1. This question paper consists of FOUR questions.
2. Number answers correctly according to the numbering system used in this question paper.
3. Use ANNEXURE A to answer QUESTION 4.
4. An approved calculator (non-programmable and non-graphical) may be used.
5. All the final answers must be rounded off according to the context, unless stated otherwise.
6. Units of measurement must be indicated, where applicable



QUESTION 1

In **TABLE 1** below is a list of explanation and definitions of concepts used in Mathematical Literacy. Match the number with the correct letter of the definition or explanation.

Write down the letter next to the number. Example **1.6 J**

Collum	**Definition/explanation**
1.1 Thermometer	A. The use of cardinal directions (i.e. North, South, East and West) to describe the location of one point to the other
1.2 Tape measure	B. The rate of covering a certain distance over time.
1.3 Maps Scale	C. A measure of body fat based on the height and weight of a person.
	D. An instrument used to measure temperature.
1.4 Compass direction	E. A special type of a diagram used to determine the outcomes of an event in a probability example
1.5 Tree diagram	F. The arrangement of something laid out such as structural features of a mall
	G. The ratio of the distance in real life compared to the same distance on a map.
	H. A flexible ruler used to measure the length, width, or height.

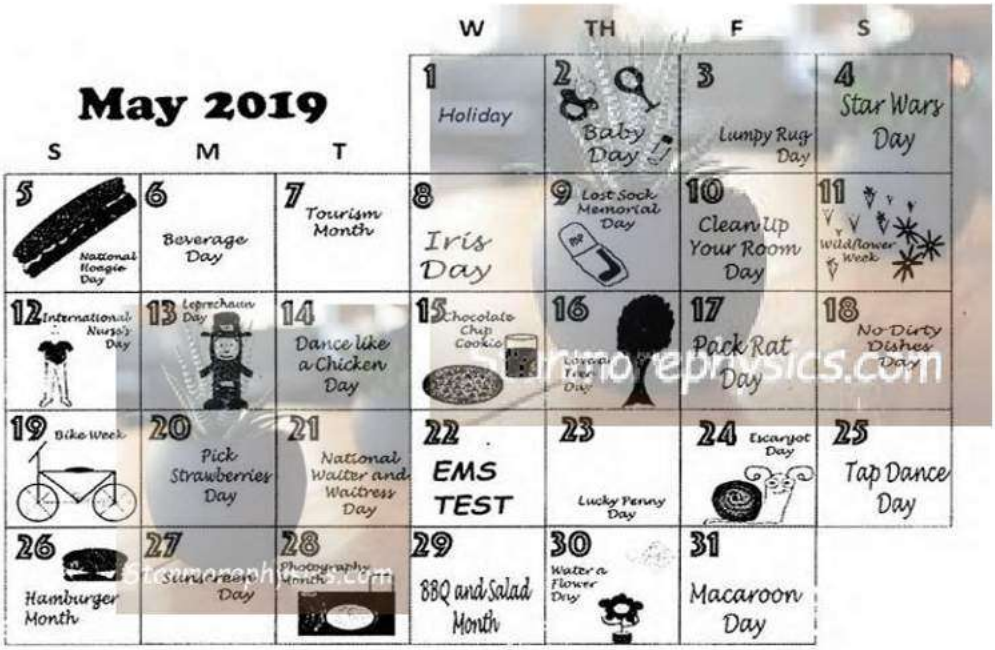
2 x 5 = **/10/**

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QUESTION 2

Mukundi is a grade 10 learner at Rabuntu High school in 2019. She developed a calendar with different activities that she would be engaged on. Below is her May 2019 activity calendar

Mukundi May 2019 Activity Calendar



Source: https://www.dreamstime.com

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Use the information above to answer questions that follows.

2.1 Write down the date on which Mukundi enjoyed beverage (2)

2.2 Mukundi needs 10 hours to prepare for EMS test. She decides to study for 2 hours per day.
Determine the day Mukundi should start preparing for her EMS test. (2)

2.3 Give a reason Mukundi would not go to school on the first day of May 2019. (2)

2.4 Mukundi wants to travel from Polokwane to Pretoria to see her mother during holiday.

2.4.1 Estimate the distance for the single trip from the options listed below
A. 2670 m
B. 26700 cm
C. 267 km. (2)

2.4.2 Mukundi was using a public transport to her trip to Pretoria. She said that by 16H00 he should be in Pretoria. The taxi driver was driving 120km per hour and they stopped at the garage for 30 minutes. They left Polokwane at 13H30.

Use your answer above to verify weather her statement is correct.
You may use the formula: **speed = distance ÷ time** (4)

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QUESTION 3

Errol need to buy a trouser at a clothing shop. He decided to go to the nearest mall, Madonsi Mall. ANNEXURE A shows a floor plan of Madonsi Mall.

Use the information above and ANNEXURE A to answer the following questions.

31. Determine the number of clothing shops found at Madonsi mall. (2)

3.2 Determine is the general direction of Woolworths from Shoprite Checkers. (2)

3.3 List THREE shops that are found at the southeastern part of Edgars. (3)

3.4 Explain the meaning of the scale 1:1000 (2)

3.5 Use a ruler to measure the length of a mall and calculate the actual length in metres. (4)

3.6 Give a reason it is necessary to have parking area in every mall. (2)

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QUESTION 4

Millicent plans to bake a vanilla sponge cake for her aunt's birthday. She saw a recipe for her choice cake. The cake can serve a 14 people. Below are the ingredients used to bake.
Ingredients of a birthday cake
4 large eggs 3/4 cup of sugar (175g) 1 cup all-purpose flour (120g) 1/4 teaspoon salt 1 teaspoon baking powder 1 teaspoon of vanilla extract 3 tablespoons of milk 1/3 cup of melted butter. **NB: 1 teaspoon = 15ml** **1 cup = 250ml** **Preheat the oven to 302** °F *https://www.yummytummyyaarthi.com*

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Use the information above to answer the questions that follow.

4.1 Determine the number of ingredients required for this recipe. (2)

4.2 Calculate the number of millilitres of milk needed. (2)

4.3 Calculate the number of kilograms (rounded to one decimal) of all-purpose flour that can be used in the recipe to serve 56 people. (4)

4.4 Give a reason it is important to measure the ingredients accurately while baking. (2)

4.5 Millicent uses the oven with °C.
Convert the temperature to degree Celsius (°C)

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You may use the formula °C = (°F - 32) ÷ 1,8. (3)

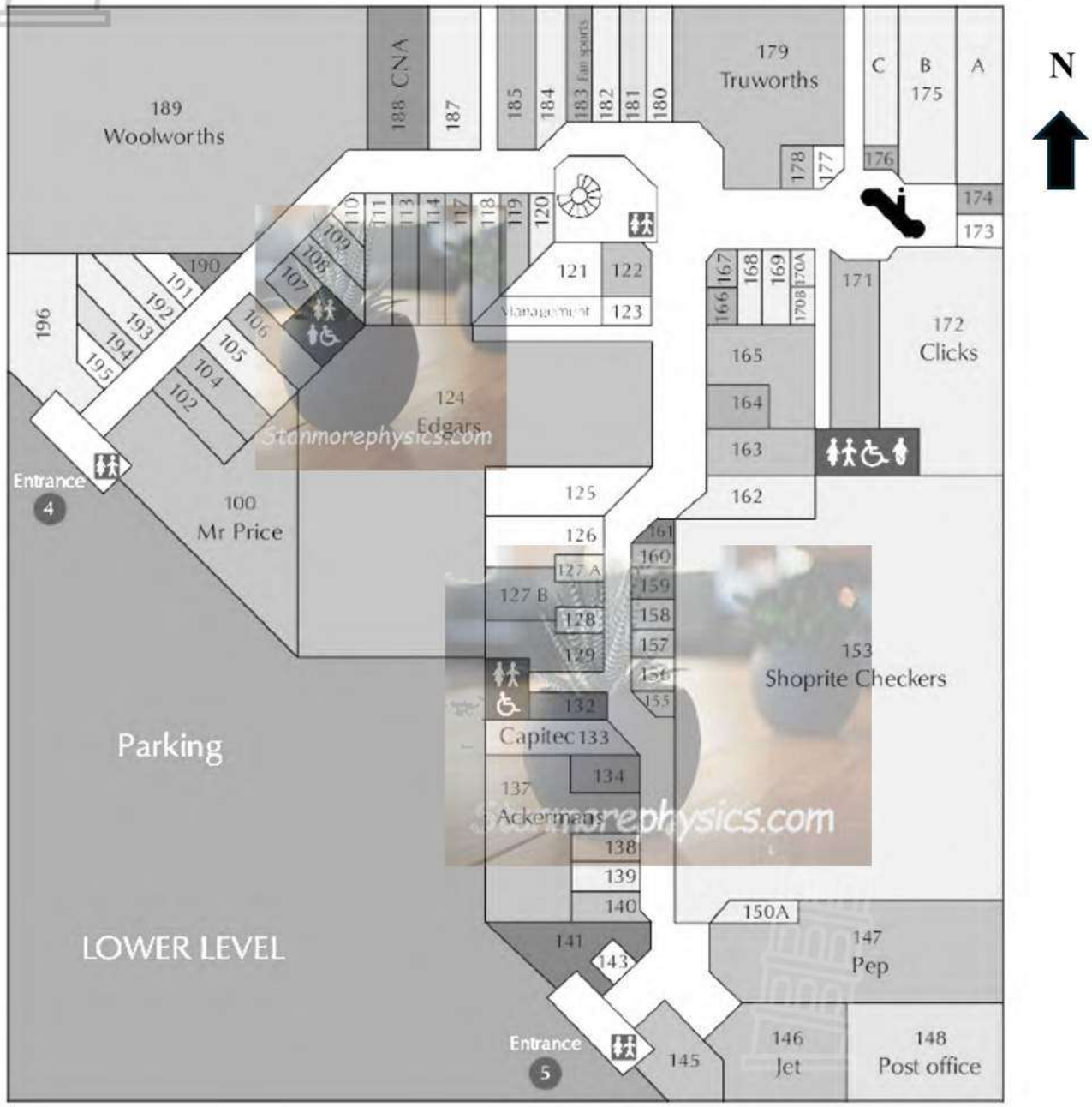
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TOTAL = [50]

ANNEXURE A

QUESTION 3

FLOOR PLAN OF MADONSI MALL



Scale1:1000

Adapted from www.siyavula.com

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