

The Ambassadors College, Ota

S.S.S 2

SECOND TERM

HOLIDAY ASSIGNMENT

2024/2025 Academic Session

Name: _____

HOLIDAY ASSIGNMENT

ENGLISH LANGUAGE

Describe a quiet garden or park.

CHEMISTRY

State and explain FIVE (5) properties of transition metals

BIOLOGY

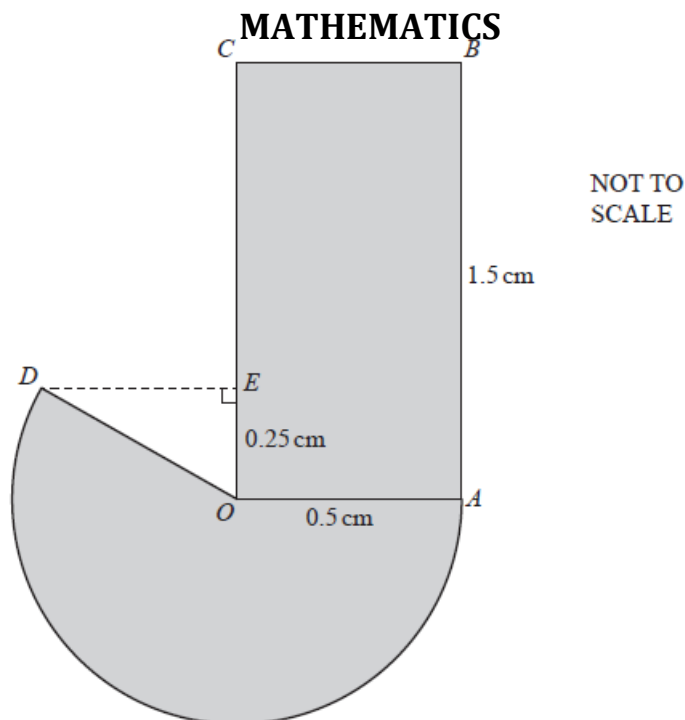
1. State FIVE functions of the liver.
2. State THREE ways by which the skin helps to reduce body temperature during cold weather.

PHYSICS

1. Distinguish between heat and temperature
2. A mercury-in-glass thermometer reads 20°C at the ice point and 100°C at steam point. Calculate the Celsius temperature corresponding to 70° on the thermometer.

MATHEMATICS

1.



The diagram shows a company logo made from a rectangle and a major sector of a circle.
The circle has centre O and radius OA .
 $OA = OD = 0.5\text{ cm}$ and $AB = 1.5\text{ cm}$.
 E is a point on OC such that $OE = 0.25\text{ cm}$ and angle $OED = 90^{\circ}$.

(a) Calculate the perimeter of the logo.

HOLIDAY ASSIGNMENT

(b) Calculate the area of the logo.

..... cm² [3]

(c) A mathematically similar logo is drawn.
The area of this logo is 77.44 cm².

(i) Calculate the radius of the major sector in this logo.

..... cm [3]

(ii) A gold model is made.
This model is a prism with a cross-section of area 77.44 cm².

This gold model is 15 mm thick.
One cubic centimetre of gold has a mass of 19 grams.

Calculate the mass of the gold model in kilograms.

GOVERNMENT

- 1a. Trace the origin of OPEC and discuss its aims and objectives.
- b. OPEC in recent faced serious challenges that made its operation ineffective and inefficient, discuss.