



NATURAL SCIENCES TOPIC TEST NO. 1 TERM 1 of 2026

Grade: 9

Topic: Cells as basic units of life

Marks: 20

Duration: 20 minutes

Section A
Question 1

Multiple- choice questions

1.1 Various options are provided as possible answers to the following questions. Choose the correct option and make a cross over the correct letter A, B, C or D next to the question number in your ANSWER BOOK.

1.1.1 A living part in a cell that controls substances that enter and leave the cell.

- A Mitochondrion
- B Nucleus
- C Vacuole
- D Cell membrane

(1)

1.1.2 A jellylike substance that fills the cell.

- A Chloroplast
- B Vacuole
- C Cytoplasm
- D Cell wall

(1)

(1×2)(2)

1.2 Give the correct **biological term** for each of the following descriptions. Write only the term next to the question number.

1.2.1 The rigid structure that provides shape to the plant cell.

(1)

1.2.2 A group of different tissues working together to perform a particular function.

(1)

(1×2)(2)

- 1.3 Indicate whether each of the descriptions in COLUMN I applies to **A ONLY, B ONLY, BOTH A AND B or NONE** of the items in COLUMN II. Write **A only, B only, both A and B or none** next to the question number (1.3.1 to 1.3.5) in the ANSWER BOOK.

COLUMN I		COLUMN II
1.3.1	Organisms made up of a single cell	A. Macroscopic B. Multicellular
1.3.2	Is found only in plant cell	A. Chloroplast B. Vacuole

(2×2)(4)

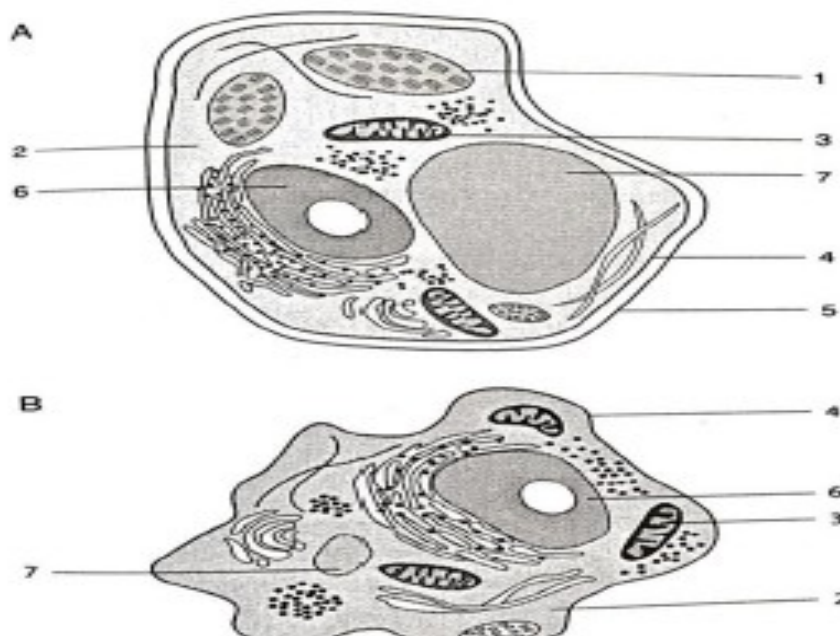
TOTAL SECTION A

08

SECTION B

Question 2

- 2.1 Look at the diagram below and answer the questions that follow.



- 2.1.1 Give the **NUMBER** and the **NAME** of the part:
(a) That controls all the activities in the cell. (2)
- 2.1.2 Explain why the cell in diagram B is unable to make its own food (1)
- 2.1.3 Describe the function of the part labelled 3 (2)
- 2.1.4 Discuss how part labelled 1, is adapted for its function. (2)
- 2.1.5 Tabulate two visible differences between diagram A and diagram B. (5)

TOTAL MARKS

TOTAL SECTION B

**12
[20]**



NATURAL SCIENCES TOPIC TEST NO.1 TERM 1 OF 2026 MARKING GUIDELINES

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**Section A
Question 1**

- 1.1
- 1.1.1 D✓ (1)
- 1.1.2 C✓ (1)
- 1.2
- 1.2.1 Cell wall✓ (1)
- 1.2.2 Organ ✓ (1)
- 1.3
- 1.3.1 None ✓✓
- 1.3.2 A only✓✓ (4)
- TOTAL SECTION A 08**

**Section B
Question 2**

- 2.1
- 2.1.1 (a) 6✓ - Nucleus✓ (2)
- 2.1.2 Diagram B is an animal cell✓, no chloroplast, hence no photosynthesis (1)
(any one)
- 2.1.3 Part labelled 3 is Mitochondrion✓, site for cellular respiration✓. (2)
- 2.1.4 1 is chloroplast✓, contains chlorophyll for the photosynthesis process to take place. ✓ (2)
- 2.1.5

Plant cell	Animal cell	(5)
Cell wall	No cell wall	
chloroplast	No chloroplast	
Larger vacuole	Smaller vacuole	
Regular shape	Irregular shape	

(any TWO for ✓✓✓✓ + 1 mark for drawing the table)

TOTAL SECTION B 12
GRAND TOTAL [20]

