

**LIFE SCIENCES
GRADE 10**

Practical Task Term 3 2025: Mitosis and Plant Tissues

Marking Guidelines

Question 1: Mitosis

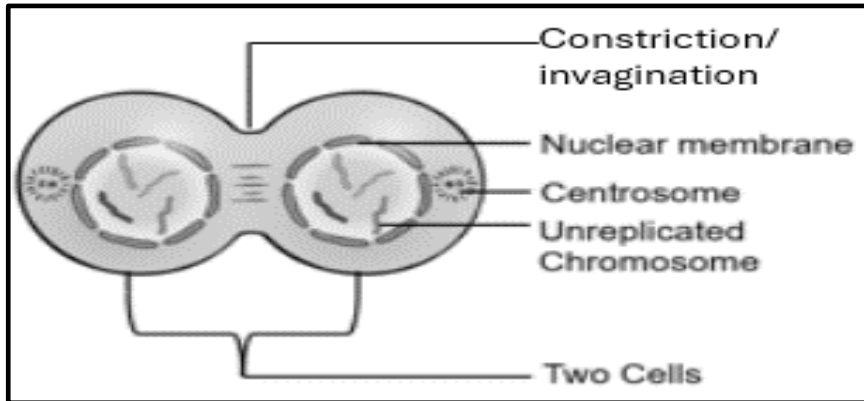
1.1 **B C A** ✓✓ (2)

1.2 **B-** Chromosomes are visible✓ (1)

C - Chromosomes are aligned at the equator.✓ (1)

A – Chromosomes are being pulled apart ✓ (1)

**1.3
Telophase**



Description	Code	Marks
Correct name of Phase	P	1
Each cell has 4 chromosomes	C	1
Correct diagram showing TWO cells Nuclear membrane Centrosome	D	1
Must show constriction/ invagination	F	1
Any ONE correct label.	L	1
TOTAL		5

(10)

QUESTION 2: Plant Tissues

2.1 A Collenchyma ✓ (1)

C Sclerenchyma ✓ (1)

2.2

Cells A / Collenchyma	Cells C / Sclerenchyma
Walls are unevenly thickened	Walls are evenly thickened ✓
Cells have nuclei	Cells have no nuclei ✓

✓ Table (3)

2.3 Acts as packing tissue ✓

Stores water, sugar, and starch ✓

Intercellular air spaces allow for gaseous exchange and water to pass through the tissue. ✓

Any (2)

(7)

Question 3 : Cancer

3.1 Cells dividing uncontrollably by mitosis ✓ to form a mass ✓/ tumour (2)

3.2 Surgery, Radiotherapy, Chemotherapy Any (2)

(3)

3.3 A -Age group of Men ✓

B – Number of Men ✓

3.4 60-69 ✓ age group

3.5 $1000 \checkmark - 100 \checkmark = 900 \checkmark$ (3)

3.6 The number of men that die from lung cancer increases as the age increases ✓ after 69 ✓ years, the number of deaths decreases ✓ (3)

(13)

TOTAL [30]