

Student Name: _____**Class:** _____**Student ID:** _____**Date:** {{DATE}}**Assessment Details**

Duration: 45 minutes	Total Marks: 50
Topics Covered:	<ul style="list-style-type: none">• Introduction to Cell Division• Stages of Mitosis• Biological Importance of Cell Division

Instructions to Students:

1. Read all questions carefully before attempting.
2. Show all working out - marks are awarded for method.
3. Use the space provided for your answers.
4. If you need more space, use the additional pages at the end.
5. Time management is crucial - allocate approximately 1 minute per mark.

Section A: Multiple Choice [10 marks]

Question 1

[2 marks]

What is the primary objective of mitosis?

A) To produce genetically different cells

B) To repair damaged tissues

C) To produce genetically identical daughter cells

D) To reduce the number of chromosomes

Question 2

[2 marks]

Which stage of mitosis involves the alignment of chromosomes at the cell's equatorial plane?

A) Prophase

B) Metaphase

C) Anaphase

D) Telophase

Question 3

[2 marks]

What is the fundamental difference between mitosis and meiosis?

A) The number of daughter cells produced

B) The number of chromosomes in the daughter cells

C) The duration of the process

D) The biological function

Question 4

[10 marks]

Describe the main stages of mitosis and their biological importance.

Question 5

[10 marks]


Explain why cell division is essential for multicellular organisms.

Question 6

[20 marks]

Label the following structures in the diagram of mitosis:

- Chromosomes
- Centrioles
- Equatorial plane
- Nuclear membrane

 Mitosis Diagram



Additional Space for Answers

