

**Marks**



**Question 20** (4 marks)

Outline how mitosis and cell differentiation assist in the maintenance of health.

**4**

- Mitosis is important for tissue growth & repair in organisms. The division & replication of cells is essential in maintaining health as it enables all metabolic processes to continue to take place in optimum conditions.
- Cell Differentiation ensures that cells have a specific role in the functioning of the organisms metabolic processes. If cells were not differentiated there would be a risk of the growth of a tumour.