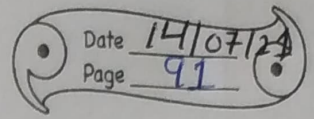


UNIT - 2

CELL - The Structure And Functions



HW

Short Answer Questions:

1. Name the scientist who invented the first microscope.

Ans → Antony Van Leeuwenhoek is the name of the scientist who invented the first microscope.

2. Who coined the term "cell"?

Ans → Robert Hooke coined the term "cell".

3. Briefly describe the three essential parts of a cell.

Ans → The three essential parts of a cell are:-

- a) Cell membrane
- b) Cytoplasm
- c) Nucleus

a) Cell membrane: Each cell is surrounded by a cell membrane, also called plasma membrane. It is very thin, delicate and flexible.

b) Cytoplasm: The cytoplasm is a semi-liquid, colourless and translucent substance. It is found between the nucleus and

cell membrane.

i) Nucleus: Nucleus is a small spherical mass mostly located towards the centre of the cytoplasm. It is most important part of the cell.

Long Answer Questions:-

2. Name the scientist who coined the term "cell".
How many lenses did he use in his microscope?
What did he observe under his microscope?

Ans → ~~Robert~~ Robert Hooke is the name of scientist who coined the term "cell".
He used two lenses in his microscope.
He observed a ~~very~~ cluster of box-like cavities piled up together in a ~~thin~~ very thin slice of a dead cork.