

Book Exercise
MCG

1. (i) (b)
(ii) (a)
(iii) (c)
(iv) (a) (b)

~~2~~ Short Answer Questions

1. Antonie van Leeuwenhoek invented the first microscope.
2. ~~Robert~~ Robert Hooke ~~coined~~ coined the term "cell".

3. The three essential parts of a cell are:

1. The outermost cell membrane (also called plasma membrane),
2. The cytoplasm, and
3. The nucleus.

1. Cell membrane: Each cell is surrounded by a cell membrane, also called plasma membrane. The cell membrane is selectively permeable.

2. The cell wall: Only the plant cells have a cell wall. It lies outside the cell membrane. It is made up of cellulose. It is freely permeable.

2. Cytoplasm: The cytoplasm is a semi-liquid (viscous), colourless and translucent substance. It is found between the nucleus and the cell membrane.

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

Long Answer Questions

Ans:-

Robert Hooke ~~is~~ coined the term "cell" in 1665. He used two lenses in his microscope. He examined a very thin slice of a dead cork and observed a cluster of box-like ~~structures~~ cubicles piled up together. He called them cells.