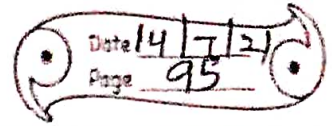


HW
14/7/21

Ch-3

CELL - THE STRUCTURE AND FUNCTIONS



SHORT ANSWER QUESTION

1. Name the scientist who invented the ^{first} microscope.

Ans- The scientist who invented the first microscope is

Antony Van Leeuwenhoek.

2. Who coined the term "cell"?

Ans- The term "cell" was coined by Robert Hooke.

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- The term "cell" was coined by Robert Hooke. He

used two lenses in his microscope. He observed

a dead cork and observed a pile of box like

cubicles, which reminded him cells of monks living in a monastery. So, he coined it, the name cell.

SHORT ANSWER QUESTIONS

3. Briefly describe the essential parts of a cell.

Ans- The essential parts of a cell are- Cell membrane

Cytoplasm, and Nucleus

1). Cell membrane - It is a very thin, delicate and flexible membrane which surrounds each cell. It is also called plasma membrane. It consists of fine pores which allow only certain molecules to pass through it and prohibit the others and therefore, due to its

function, also called selectively permeable membrane.

2. Cytoplasm: This is the living portion of the cell which is a semi-liquid, translucent and colourless liquid. It is the portion of the cell where the major functions of the cell are carried out through various finer parts of the cell. The finer structures which are contained in this are ~~called~~ contained in this are called cell organelles.

3. Nucleus: The small spherical dark coloured body usually located in the centre of the cell. It is the most important part of the cell which

regulates and co-ordinates various life processes. Its major role is during cell division. It contains hereditary factors called the genes.

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