

Long Answer Questions

Question 1.

Differentiate between

- (a) Cell wall and cell membrane
- (b) Leucoplast and chloroplast
- (c) Vacuole in a plant cell and an animal cell
- (d) A tissue and an organ

Question 2.

What are the main functional regions of a cell? Explain.

Question 3.

Define cell membrane and state its functions.

Question 4.

Define nucleus and state its major parts.

Question 5.

Single cell organisms perform all the function that multicellular organisms perform." Define what functions are these. Also define who perform all these function in multicellular.

Question 6.

Compare plant and animal cell on basis of cellular components.

Question 7.

"Why plants need cell wall?" Explain.

Question 8.

What is Cell? Define its components with showing and labelled diagram of a typical cell.

Question 9.

Why do plant cells have an additional layer surrounding the cell membrane? What is the layer known as?

Question 10.

Cells consist of many organelles, yet we do not call any of these organelles as structural and functional unit of living organisms. Explain.