



Worksheet-1

A. Multiple choice questions:-

- 1)The largest cell in the human body is -
a) Nerve cell b) Muscle cell c) Liver cell d) Kidney cell
- 2)A cell placed in hypertonic solution will
a) Shrink b) Show plasmolysis c) Swell up
- 3)All life starts as
a) an egg b) a single cell c) a gene d) a chromosome

B. Fill in the following blanks with suitable words:

- (a) Cells were first observed in cork by ___ in 1665.
- b)The cytoplasm and nucleus make up the ___.
- c) The shape and size of a cell is related to its ___.
- d) The bacteria cells are ___ to ___ micrometre in length.

Subjective Questions :-

- 1)What is osmosis?
2. 'Cell is the structural and functional unit of life'. Explain.
- 3)Give the difference between prokaryotic cell and eukaryotic cell?
- 4)Draw a neat diagram of plant cell and label any three parts which differentiate it from animal cell.
- 5)How does an Amoeba obtain its food?
- 6)What is Isotonic solution?
- 7) Give an example of unicellular organism.
- 8) Which cell organelle controls most of the activities of the cell?



Worksheet 2

Multiple Choice Questions:-

- The dead element present in the phloem is
a) companion cells b) sieve tubes c) phloem parenchyma d) phloem fibres
- which of these is complex tissue
a) Parenchyma b) sclerenchyma c) phloem d) collenchyma
- Fats are stored in human body as
(a) cuboidal epithelium b) adipose tissue c) bones
- The tissue which is responsible for growth of girth in stem and root
(a) Lateral meristems b) Apical meristems c) Intercalary meristems

Short answer type questions :-

- What is a tissue?
- What is the utility of tissues in multi-cellular organisms?
- Name types of simple tissues.
- Where is apical meristem found?
- What are constituents of phloem?
- Name the tissue responsible for the movement of our body.
- What does a neuron look like?
- What are functions of areolar tissue?

Long answer type question

- How many types of elements together make xylem tissue? Name them.
- How are simple tissues different from complex tissues in plants?
- Differentiate between parenchyma, collenchyma and sclerenchyma on the basis of their cell wall.
- What are functions of stomata? Draw diagram.
- Draw a labelled diagram of a neuron.
- Name the following:
 - Tissue that forms inner lining of our mouth.
 - Tissue that connects muscle to bone in humans.
 - Tissue that transports food in plants.
 - Tissue that stores fat in our body.
 - Connective tissue with a fluid matrix.
 - Tissue present in the brain.
- What is the role of epidermis in plants?