

QUESTIONS

VERY SHORT ANSWER TYPE QUESTIONS

1. Name the largest cell of living world ?
2. Who gave the fluid mosaic model of plasma membrane ?
3. Which cell organelle is called as the 'Head quarter of cell' ?
4. Which cell organelle is called as 'Power house of cell' ?
5. Which cell organelle contains enzymes for ATP production ?
6. In mitochondria, which portion contains specific proteins ?
7. Which cell organelle is called as 'Digestive bag' ?
8. Which organelle controls osmotic pressure in a cell ?

SHORT ANSWER TYPE QUESTIONS

1. What is the composition of protoplasm ?
2. Define cell ?
3. What is the difference between diffusion and osmosis ?
4. Why plasma membrane is called as selectively permeable membrane ?
5. Define Cristae ?
6. State any two function of Golgi body ?
7. Name various type of plastids present in a plant cell ?
8. State the main function of lysosome ?
9. Which cell organelles are known as powerhouse of cell and why ?
10. What is the function of SER ?

LONG ANSWER TYPE QUESTIONS

1. Draw a neat and labelled diagram of mitochondria.
2. Differentiate between plant and animal cell with suitable figures.
3. Write a short note on Nucleus.
4. Explain the effect of concentration of solution on the cell ?
5. Who proposed cell theory. What are its postulates ?
6. Draw a neat labelled diagram of plant cell ?
7. How does unicellular organism differ from Multicellular organism ?
8. What are plastids? Explain its structure and types ?
9. What are the functions of vacuoles ?
10. Expand the following : ATP, DNA, RNA along with its function.

OBJECTIVE TYPE QUESTIONS

Fill in the Blanks :

1. and proposed the cell theory.
2. Nucleus in the cell is discovered by
3. Mitochondria are found in cells
4. A can be made into crystal. (bacterium, virus, amoeba)
5. The main constituent of cell-wall in plant is
6. organelle is the power house of the cells.
7. Chromosomes are made up of nucleic acid and

MCQ:

- Which of the following is an example of a single cell that does not function as a full fledged as a full fledged organism ?**
(a) White blood cells (WBC) (b) Amoeba
(c) WBC and Amoeba (d) Paramecium
- Who discovered the first living cell ?**
(a) Robert Hooke (b) Leeuwenhoek
(c) Purkinje (d) Robert Brown
- Who used the word 'protoplasm first time for living cells ?**
(a) Robert Hooke (b) Leeuwenhoek
(c) WBC and Amoeba (d) Robert Brown
- Which organelle is considered as a suicide bag ?**
(a) Centrosome (b) Mesosomes
(c) Lysosomes (d) Chromosome
- Which of the following organelle is present onion cells but not in human cheek cells ?**
(a) Cell wall (b) cytoplasm
(c) nucleus (d) plasma membrane
- Which cell organelle plays a crucial role in detoxifying many poisons and drugs ?**
(a) Golgi Apparatus (b) Lysosomes
(c) Smooth Endoplasmic Reticulum (d) Vacuoles
- Function of centriole is**
(a) formation of spindle fibre (b) nucleolus formation
(c) cell wall formation (d) cell division initiation
- viruses are**
(a) Uni cellular micro-organisms (b) Bi-Cellular micro-organisms
(c) Multi-cellular micro-organisms (d) Non-cellular micro-organisms
- Which of the following often distinguishes plant cells from animal cells ?**
(a) centrioles (b) nucleus
(c) Chromation (d) rough ER

Match the following :

C1

- A. Smooth Endoplamic reticule
- B. Nuleoid
- C. Food Vauoles
- E. Mitoclandina
- D. Pasties

C2

- 1. Amoeba
- 2. Nulls
- 3. Baitena
- 4. Detoxification
- 5. Lewoplast
- 6. Suicidal Bags.

- **Assention :** Cell in the fultiaval and strutnal unit of life.
Reason : Cell perform all the life process and from the struture of the liting beings.

True and False :

- Plant cell will plasmolysed when paced in a hypotonic solution.
- Animal all will shrink in a hyputomic solution.
- Mito handia is known as sutidal bag of all.
- Cell wall is prent is plant cell.