

CLASS – VIII

SCIENCE

CHAPTER- 8

CELL STRUCTRE AND FUNCTIONS

MULTIPLE CHOICE QUESTIONS

1. The power house of cell is called

- a) Cell wall
- b) Mitochondria
- c) Ribosomes
- d) Nucleus

2. The kitchen of the cell is called

- a) Cell wall
- b) Nucleus
- c) Vacuoles
- d) Plastids

3. The functional unit of life is called

- a) Cell
- b) Egg
- c) Nucleus
- d) None of these

4. Chloroplast is found in

- a) Plant cell only
- b) Animal cell only
- c) Both of these
- d) None of these

5. The control unit of cell is

- a) Nucleus
- b) Cell wall
- c) Cytoplasm
- d) All of these

6. Single celled organisms are called

- a) Unicellular

- b) Multi-cellular
- c) Both of these
- d) None of these

7. Tissue is a

- a) Group of organs
- b) Group of cells
- c) Group of tissues
- d) Group of organisms

8. Cell is discovered by

- a) Robert Brown
- b) Robert Hooke
- c) John Mendal
- d) Charse Darwin

9. The calls capable of changing shapes are

- a) Amoeba cell
- b) WBC
- c) Both of these
- d) None of these

10. Hen's egg is a

- a) Tissue
- b) Organ
- c) Organ system
- d) cell

11. This cell is the longest in the human body

- (a) Muscle cells
- (b) Nerve cells
- (c) Bone cells
- (d) Gland cells

12. This tissue includes the blood tissue

- (a) Muscle tissue
- (b) Connective tissue



★ (c) Epithelial tissue

★ (d) Nervous tissue

★ **13. Which of this is/are examples of an organ containing a smooth muscle**

★ (a) Iris of eye

★ (b) Bronchi only

★ (c) Uterus only

★ (d) All of the above

★ **14. This structure of the plant cell is non-living**

★ (a) Nucleus

★ (b) cell wall

★ (c) cytoplasm

★ (d) Mitochondrion

★ **15. This cell organelle does not contain DNA**

★ (a) Nucleus

★ (b) Mitochondria

★ (c) Lysosomes

★ (d) Chloroplast

★ **16. The main difference between human cheek cells and onion peel cells is**

★ (a) Presence of cell wall in onion peel cells

★ (b) Presence of mitochondria in onion peel cells

★ (c) Absence of endoplasmic reticulum in cheek cells

★ (d) Absence of the plasma membrane in cheek cells

★ **17. This jellylike substance inside the plasma membrane in which all cell organelles are floating is**



22. Name an Organelle which serves as a primary packaging area for molecules that will be distributed throughout the cell?

- a) Mitochondria
- b) Plastids
- c) Golgi apparatus
- d) Vacuole

23. Name the outer most boundary of the cell?

- a) Plasma membrane
- b) Cytoplasm
- c) Nuclear membrane
- d) None of the above

24. Name the process in which the ingestion of material by the cells is done through the plasma membrane?

- a) Egestion
- b) Diffusion
- c) Osmosis
- d) Endocytosis

25. Which among the following sentence is not correct about the organelles?

- a) They are found in all Eukaryotic cells.
- b) They are found in multicellular organisms.
- c) They coordinate to produce the cell.
- d) They are small sized and mostly internal.



26. Name the process in which the passage of water goes from a region of higher concentration to a region of lower concentration through a semi permeable membrane?

- a) Diffusion
- b) Osmosis
- c) Both a) and b)
- d) Neither a) nor b)

27. Name an organism which contains single chromosome and cell division occurs through fission or budding?

- a) Eukaryotes
- b) Prokaryotes
- c) Bacteria
- d) Primitive organism

28. Name the process in which the membrane of a vesicle can fuse with the plasma membrane and extrude its contents to the surrounding medium?

- a) Exocytosis
- b) Endocytosis
- c) Osmosis
- d) Diffusion

29. The jelly like substance present inside the cell is known as:

- a) Cytoplasm
- b) Ectoplasm
- c) Nucleoplasm





d) None of the above

30. Blue green Algae are:

a) Prokaryotes

b) Eukaryotes

c) Both a) and b)

d) Neither a) nor b)

*****THANKS*****

BY PRIYANKA JHA

