

SARALA BIRLA PUBLIC SCHOOL

Birla Knowledge City, Mahilong, Ranchi

CLASS-IX, (2020-21)

Sub: Biology
(Assignment-5)

Multiple Choice Questions:-

1. The term 'Cell' was given by
 - a) Robert Brown
 - b) Robert Hooke
 - c) Leeuwenhoek
 - d) Rudolf Virchow
2. Nucleoid is a hereditary material present in
 - a) animal cell
 - b) plant cell
 - c) bacterial cell
 - d) none of these
3. The largest cell in the human body is
 - a) liver cell
 - b) muscle cell
 - c) blood cell
 - d) nerve cell
4. Mitochondria are found
 - a) in all cells
 - b) only in plant cell
 - c) only in animal cell
 - d) in all eukaryotic cell
5. A small spherical membranous element filled with protein content
 - a) oxysome
 - b) vacuole
 - c) ribosome
 - d) vesicle
6. A unicellular organism which lacks an organised nucleus
 - a) Bacterium
 - b) Virus
 - c) Euglena
 - d) Amoeba
7. Daughter cells formed as a result of meiosis are not similar to that of parent cell because
 - a) meiosis is completed in stages
 - b) prophase is the longest phase
 - c) nucleus size increases in daughter cells
 - d) crossing over takes place and chromosome number is halved
8. Plant cells are bounded by cell wall which is formed by

a) Glucose b) Cellulose c) Protein d) Fructose

9. Which is called the suicidal bag?

a) Vacuole b) Mitochondria c) Lysosome d) Nucleus

10. Ribosomes are responsible for

a) Respiration b) Photosynthesis c) Cell Division d) Protein synthesis

11. Centrosome is found in

a) Nucleolus b) Nucleus c) Cytoplasm d) Chromosome

12. The organelle that helps in the membrane biogenesis is

a) Lysosome b) Golgi apparatus c) Endoplasmic reticulum d) Ribosome

13. The solution in which a cell will gain water by Osmosis is termed as

a) isotonic solution b) hypotonic solution c) hypertonic solution d) none

14. The nucleus of the cell was discovered by

a) Robert Hooke b) Robert Brown c) Leeuwenhoek d) Purkinje

15. The plant cells are more rigid than the animal cells due to

a) Cell Wall b) Vacuole c) Chloroplast d) Mitochondria

Project

Draw a well labelled diagram of eukaryotic cell in A4 size paper by using colourful pens or colourful threads or others decorative materials.