

Type (I) : Very Short Answer Type Questions :

[01 Mark Each]

1. Write the function of Ribosome.
2. Why Lysosome is considered as suicidal bag ?
3. Differentiate primary and secondary lysosome.
4. 'New cells generate from Pre-existing cells' who gave this concept.
5. Write the name of membrane less two cell organelles.
6. What is microfilament?
7. Why mitosis is called as equational division?
8. What is G_0 stage?
9. Which stage shows replication of DNA?
10. In which phase separation of homologous chromosomes takes place?

Type (II) : Short Answer Type Questions :

[02 Marks Each]

11. Differentiate between cell wall of Bacteria & Plant.
12. Why mitochondria is known as power house of cell.
13. Differentiate between
 - (i) Chromatin and Chromosome.
 - (ii) Microtubules and Microfilaments.
14. Write the types of chromosomes on the basis of position of centromere.
15. Draw the labelled diagram of cilia / flagella.
16. Describe the significance of meiosis
17. Name the stage of cell cycle at which following event occurs
 - (i) Chromosomes are moved to pole
 - (ii) Centromere splits and chromatid separate.
 - (iii) Synthesis of Histone protein.
 - (iv) Condensation of Chromatin.

Type (III) : Long Answer Type Questions:

[03 Marks Each]

18. Explain the fluid mosaic model of plasma membrane.
19. Explain the structure of centriole.
20. Why chloroplast is called semiautonomous cell organelle.