

BIOLOGY ASSIGNMENT IX-CLASS

- Q.1 State the full form of ATP.
- Q.2 What do you mean by division of labour?
- Q.3 Name the cell organelle which is able to destroy a damaged cell.
- Q.4 Write any two functions of SER.
- Q.5 Write 2 important characteristics of prokaryotic cell.
- Q.6 Differentiate between the plasma membrane and cell wall.
- Q.7 Name the plastid involved in conversion of a green tomato to red.
- Q.8 How is a prokaryotic cell different from a eukaryotic cell?
- Q.9 Who coined the term 'cell'? How & when?
- Q.10 Which organelle is known as the 'power house of the cell'? Why?
- Q.11 Which cell organelle detoxify poisons and drugs in liver of vertebrates?
- Q.12 What is nucleoid? Draw a well labeled diagram of a prokaryotic cell?
- Q.13 What is known as energy currency of the cell? Where it is produced?
- Q.14 Write the postulates of cell theory. Who proposed this theory?
- Q.15 Why is the cell called structural & functional unit of life?
- Q.16 What are chromoplasts and leucoplasts? Give an example of chloroplast that has green pigment.
- Q.17 What are chromosomes? Write their chemical composition.
- Q.18 Write the relationship between chromatin material and chromosomes.
- Q.19 What will happen to a plant cell if it is kept in:
- a) Hypotonic solution b) Hypertonic solution
- Q.20 What is plasmolysis? Under what condition it take place.
- Q.21 A person takes concentrated salt solution after sometime he starts vomiting.
What is phenomenon responsible for such situation?
- Q.22 Write the role of vacuoles in plant cells.
- Q.23 What is the main function of each of the following cell components:
- a) Ribosomes b) Plasma Membrane
c) Chromosome d) Golgi Apparatus
- Q.24 What are genes? Where they are located?

- Q.25 Why is endosmosis found in animal only?
- Q.26 Draw a diagram of a plant cell & label the following parts:
- a) Cell Wall
 - b) Nucleus
 - c) Vacuole
 - d) Golgi Apparatus
- Q.27 Differentiate between unicellular & multicellular organism. Give 2 examples of each.
- Q.28 Why is plasma membrane called the selectively permeable membrane?
- Q.29 Name one feature that is similar and one dissimilar with respect to mitochondria and plastids.
- Q.30 How does an amoeba obtain its food?