

# EXCERSICE

Practice. Perform. Succeed

Sub : Science

Grade: IX

Date: .....

Name: .....

ID No.....

## State whether the following statements are True or False:

1. In plant cells, a cell wall composed mainly of cellulose is located outside the cell membrane. \_\_\_\_\_
2. Osmosis plays an important role in gaseous exchange between the cells as well as the cell and its external environment. \_\_\_\_\_
3. Mitochondria are said to be the power house of the cell as ATP is generated in them. \_\_\_\_\_
4. There is shrinkage of the cell content away from the cell wall, when a living plant cell loses water. This phenomena is known as plasmolysis. \_\_\_\_\_
5. An undefined nuclear region containing only nucleic acids in eukaryotes is called a nucleoid. \_\_\_\_\_
6. The smooth endoplasmic reticulum helps in the manufacture of fat molecules, or lipids important for cell function. \_\_\_\_\_
7. Plastids are present only in plant cells and also have their own DNA and ribosomes. \_\_\_\_\_
8. The cell will lose water by osmosis, if the medium has a higher concentration of water than the cell. \_\_\_\_\_
9. Prokaryotic cells have no membrane-bound organelles, their chromosomes are composed of only nucleic acid and they have only very small ribosome as organelles. \_\_\_\_\_
10. Most mature plant cells have a large central vacuole that helps to maintain the turgidity of the cell and stores important substances including wastes. \_\_\_\_\_