



INDIAN SCHOOL DARSAIT DEPARTMENT OF BIOLOGY



Subject : Biology Topic : The fundamental unit of life Date of Worksheet : 16-4-2018
Resource Person: Zehra Fatima Date of Submission: _____
Name of the Student : _____ Class & Division : IX__ Roll Number : __

S.No.	Questions	Marks
1.	Define the term 'Cell'. Who discovered cell?	1
2.	Why plasma membrane is called a selectively permeable membrane?	1
3.	Mention the names of any two cell organelles that contain their own genetic material.	1
4.	Where are proteins synthesized inside the cell?	1
5.	What do you mean by the term diffusion ?	1
6.	Name any two organelles other than Nucleus which has their own DNA and Ribosomes.	1
7.	State the Cell theory.	2
8.	Why are lysosomes known as suicide bags?	2
9.	Define osmosis. Name the two types of osmosis	2
10.	State the function of the following organelles a)Endoplasmic reticulum b)Golgi apparatus	2
11.	Which organelle is known as the powerhouse of the cell? Why?	2
12.	Write in detail about the types of endoplasmic reticulum.	3
13.	Mention the differences between Prokaryotic and Eukaryotic cell.	3
14.	Draw a well labelled diagram of Plant cell and animal cell.	3
15.	Differentiate between Plant cell and Animal cell.	3
16.	What happens to a cell (plant cell or animal cell) when placed in the following solutions: i)Hypotonic solution ii)Isotonic solution iii)Hypertonic solution	3