

SYLLABUS

1. Cell, its Structure and Functions
2. Plant Tissues
3. Animal Tissues

BIOLOGY

Class - 9

Time : 45 Min.

Marks : 20

	Project Work	Lab Activity	Written Works	Slip Test	Total
Allotted Marks	10	10	10	20	50
Scored Marks					

I. Answer the following questions.

$4 \times 1 = 4 \text{ M}$

1. What is the major difference between a plant and an animal cell?
2. What does a vascular bundle consist of ?
3. If you want to ask anything about plant tissues which are differentiated for transportation of material what questions would you pose?
4. Doctor examine Kshitija's blood report and said, that she did not have the required levels of haemoglobin. What questions will you put the doctor to know about the effects of low level Haemoglobin ?

II. Answer the following questions.

$2 \times 2 = 4 \text{ M}$

5. Ravi is asking his teacher about different functions of cell organelles of Eukaryotic cell. What questions he would ask ?
6. Differentiate between sclerenchyma and parenchyma.

III. Answer the following questions.

$2 \times 4 = 8 \text{ M}$

7. Observe the table below and give the answers for the following

Name of the scientists	Year	Description
1. Schleiden	1804 - 1881	Propounded cell theory.
2. Schwann	1810 - 1882	Propounded cell theory.
3. Robert Hook	1665	First observed cells and the formulation of cell theory.
4. Rudolf Virchow	1885	First explained the new cells could be formed from the existing cells.
5. Robert Brown	1831	Observed Nucleus
6. Camilo Golgi	1898	Observed the Golgi complex which pack the substances before they are transported to other parts of the cell.