

## Readymade slides of different microbes.

S. No.	Readymade slide	Microorganism	Description
1.	Slide - 1	Bacteria	
2.	Slide - 2	Fungi	
3.	Slide - 3	Algae	
4.	Slide - 4	Protozoa	

Diagram -1

Diagram -2

Diagram -3

Diagram -4

## Practical - 7

Date: .... / ..... / .....

**Aim:** To study the microscopical observation of different microbes (readymade slides).

**Reference:**.....

**Requirements:**.....

**Theory:** Permanent slides can be stored for a long time, provided that they were properly made. The specimens have to be properly conserved and cut into thin sections before they are mounted on the slide. Most permanent slides use a mounting medium which turns solid. These are the most stable. Microorganisms are observed and studied with the help of microscopes. The unit of measurement used to measure microorganisms is the metric system. The size of the specimen determines which microscopes can be used to view the specimen effectively. Modern microscopes produce images with great clarity, magnifications that range from ten to thousands of times.

**Procedure:**

- To observe the readymade slide of microbes under a microscope, we have to place the slide on the stage, look through the eye piece.
- Then adjust the mirror and diaphragm to illuminate or properly place under the light of the microscope.
- Then we will have to look through the eye piece by placing our one eye properly and move the slide until the object is visible properly.
- We have to keep staring at the object through the eye piece turning the knobs that adjusts the distance between the stage and the lens, coarse adjustment is used to bring the specimen into initial focus to be visible but not sharp.
- Then the fine adjustment is adjusted to make the specimen focus and sharply visible.

**Report:** We have observed the different microorganism under the microscope clearly and studied in detail.

## Questions Bank

1. What is the meaning of permanent slide?
2. What is the meaning of temporary slide?
3. What is the Bacteria?
4. Write the name of different microscopes.
5. Write the name of one disease caused by protozoa.
6. Write the name of one antifungal medicine.
7. What is the algae?
8. What is the colour staining?
9. The branch of science deals with the microbes called .....
10. Write the two bacteria name.