

Prepared Slides of Microbes

Experiment 5 - Practical Notes

Name: _____ Roll no.: _____ Date: _____

Aim

To recognise broad microbial groups from prepared slides and teaching images.

Principle

Microscopic size, shape and arrangement support broad classification; organism-level identification requires appropriate validated methods.

Key Points

- Compare bacterial shapes, fungal structures and protozoal teaching images.
- Viruses are generally too small to identify on an ordinary light-microscope slide; use supplied illustrations.
- This activity uses prepared material and does not grow or propagate organisms.

Activity Procedure

1. Inspect label

Record the prepared-slide name, stain and magnification.

2. Survey

Observe shape, arrangement and any visible special structure.

3. Compare

Use authenticated teaching images to distinguish the broad groups.

4. Draw

Make a labelled sketch and state what cannot be concluded from the image alone.

Record and Observations

Field	Activity record
Prepared material / group	_____
Shape / arrangement	_____
Magnification	_____
Identification limits	_____

Result

Complete the record using your activity, then state the findings, the action required and the reason for that action.

Precautions

- Use teaching models and respect privacy.
- Do not practise invasive procedures during these role plays.

Viva Questions and Answers

1. Why use plain language?

It helps the learner understand and act on the advice.

2. Why use teach-back?

It checks understanding through the learner's explanation or demonstration.

3. What should be recorded?

Observed performance, agreed actions and any referral concern.

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