

Use and Storage of Dosage Forms and Devices

Experiment 27 - Practical Notes

Name: _____ Roll no.: _____ Date: _____

Aim

To demonstrate correct use and storage of common dosage forms and delivery devices.

Principle

The route, product design and manufacturer instructions determine administration and storage.

Key Points

- Measure oral liquids with a calibrated device.
- Distinguish immediate-release, modified-release and enteric-coated tablets before crushing.
- Check the exact inhaler, spacer and insulin-pen instructions; device steps differ.
- Storage requirements include the labelled temperature, moisture protection and in-use period.

Activity Procedure

1. Inspect

Read route, strength, expiry, storage and patient instructions on dummy products.

2. Demonstrate

Show a measured oral dose, correct tablet handling and external-product labelling.

3. Practise devices

Use a dummy inhaler with spacer and an insulin-pen trainer; explain preparation, administration and after-use steps.

4. Teach back

Ask a partner to repeat the demonstration and correct observed errors.

Record and Observations

Product / device	Correct use and storage
Oral liquid	_____
Tablet / capsule	_____
Inhaler / spacer	_____
Insulin pen	_____
Topical preparation	_____

Result

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

Viva Questions and Answers

1. Why avoid a kitchen spoon?

Its volume is not a reliable medication measure.

2. Can every tablet be crushed?

No; formulation and manufacturer instructions must be checked.

3. Why check the in-use period?

A product may have a shorter permitted life after opening than its unopened expiry date.

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