Safe Injection Preparation and Sharps Handling

Experiment 13 - Practical Notes

Name: _____ Roll no.: _____ Date: _____

Aim

To complete the named injection or vaccination activity using training equipment.

Principle

Medication checks, aseptic preparation and sharps management reduce preventable administration errors.

Key Points

- Use dummy vials/ampoules and training needles where permitted.
- Check prescription, medicine, strength, expiry, appearance and any required independent check.
- Do not recap a used needle; place it directly into the approved sharps container.

Activity Procedure

1. Prepare station

Arrange a clean work area, hand hygiene and correct training materials.

2. Read and calculate

Verify the given dose/strength and calculate the required volume with an independent check.

3. Demonstrate

Use the instructor's dummy-vial or ampoule preparation method without contaminating key parts.

4. Dispose

Demonstrate immediate sharps disposal and other waste separation.

5. Record

Document preparation checks and explain exposure-response procedures.

Record and Observations

Order / product / route	_____
Equipment / site check	_____
Aseptic technique / simulation	_____
Disposal / documentation	_____

Result

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

Precautions

- Qualified supervision and dedicated training equipment are required.
- Do not use classroom demonstration material for patient administration.

Viva Questions and Answers

1. Why use a mannequin?

The syllabus activity assesses technique without administration to people.

2. Why follow product-specific directions?

Routes, preparation, equipment and aftercare can differ.

3. What must be recorded?

Verified order/product, route/site, checks, observed technique and any correction.

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