

B.Sc., PHYSICIAN ASSISTANT

PHARMACOLOGY PUZZLE

UNIT - 1

TOPIC - ROUTE OF DRUG ADMINISTRATION

TOTAL MARKS - 10 MARKS

Puzzle: Reasoning Puzzle (Route Comparisons)

Three routes - Subcutaneous, Transdermal, and Buccal - differ in absorption sites (under skin, through skin, under tongue/cheek) and are suited for specific needs: one for steady hormone delivery like nicotine patches, one for quick nicotine avoidance in emergencies, one for insulin injections.

Deduce which is which based on clues:

- Subcutaneous is for injections like insulin, under the skin.
- The patch route is Transdermal for steady release.
- Buccal absorbs via oral mucosa, fast but not injectable.

RUBRICS:

Criterion	Marks (out of 10)
Accuracy	4
Logical reasoning / Applying	3
Conceptual understanding	2
Presentation	1
Total Marks	10 marks