

B.Sc., PHYSICIAN ASSISTANT

PHARMACOLOGY PUZZLE

UNIT - 5

TOPIC - ANTIBIOTICS

TOTAL MARKS - 10 MARKS

Puzzle: Clinical Coliseum (Case-Based Battle Arena)

As a medic knight, heal a 30-year-old with community-acquired pneumonia, penicillin allergy, and no renal issues. Options:

- Azithromycin: Macrolide, short course.
- Levofloxacin: Fluoroquinolone, broad respiratory.
- Doxycycline: Tetracycline, affordable alternative.
- Cephalexin: Cephalosporin, but cross-allergy risk.

Select the optimal and explain, considering allergy and coverage.

RUBRICS:

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