

B.Sc., PHYSICIAN ASSISTANT

SURGERY PUZZLE

UNIT - 2

TOPIC – SKIN BURNS

TOTAL MARKS - 10 MARKS

Puzzle: Case Study Puzzle (Integrated Burn Care Decision-Making)

A 50-year-old male construction worker sustains a 25% TBSA full-thickness burn from an electrical arc on his chest and arms during a work accident. Comorbidities include diabetes and smoking history.

Analyze:

- (1) Estimate TBSA using Rule of Nines and fluid needs;
- (2) Plan escharotomy indications for circumferential burns;
- (3) Discuss nutritional support and rehabilitation;
- (4) Address psychosocial impacts like PTSD risk.

RUBRICS:

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