

UNIT 5

Logical Puzzle: The Shock

Scenario: In the trauma bay, Dr. Vital manages four critically ill patients—**Alex, Blake, Casey, and Dana**—all in **shock** (life-threatening circulatory failure). Each has **exactly one** of these shock types confirmed by labs/hemodynamics:

- **Hypovolemic** (low blood volume, e.g., bleeding)
- **Cardiogenic** (heart pump failure)
- **Distributive** (vessels too dilated, e.g., sepsis)
- **Obstructive** (blockage, e.g., pulmonary embolism)

Additionally:

- Each patient receives **exactly one** of these shock treatments: **Fluids, Norepinephrine, Dobutamine, or Thrombolytics**.
- **Exactly one statement** from each patient is **true**; the other two are **false**.

Patient Statements:

Patient	Statement 1	Statement 2	Statement 3
Alex	I have Hypovolemic shock.	I get Fluids.	Blake has Cardiogenic shock.
Blake	I have Distributive shock.	Dana gets Dobutamine.	Casey has Obstructive shock.
Casey	I get Norepinephrine.	I have Cardiogenic shock.	Alex gets Thrombolytics.
Dana	I have Obstructive shock.	Blake gets Fluids.	Casey has Distributive shock.

- Puzzle: Determine each patient's shock type and treatment is true or false

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B.Sc., CARDIAC TECHNOGY

**SUBJECT : CLINICAL FEATURES AND TREATMENT RELATED TO CARDIAC TECHNOLOGY
AND BASIC LIFE SUPPORT PUZZLE**

RUBRICS

CRITERIA	DESCRIPTION	POINTS
1. Completeness	All correctly identified (A,B,C,D,E)	5 pts
2. Accuracy	No wrong answers	3 pts
4. Neatness	Clear handwriting, no erasures	2 pts
	TOTAL	10 pts