Solutions

2.1

- ↑ hydrostatic · ↓ oncotic · ↑ permeability · lymph block ✓.

2.2

- Albumin ✓.

2.3

- Endothelial injury, stasis, hypercoagulability ✓.

3.1

- Right heart failure: venous hydrostatic ↑ → dependent pitting oedema ✓.
- Nephrotic: albumin ≥3.5 g/day lost → oncotic ↓ → periorbital (loose tissue) oedema ✓.
- Same finding, different arithmetic – blood albumin separates ✓.
- Permeability: inflammation (exudate, protein-rich); lymph block: post-surgical arm swelling ✓.

3.2

- Stasis + hypercoagulability → calf venous thrombus ✓.
- Embolus travels to pulmonary arteries → infarct or sudden death ✓.
- Pale infarcts: solid organs, single supply; red: lung and gut – dual supply, loose tissue bleeds in ✓.
- Shock: cardiogenic (infarct), hypovolaemic (class III ~30 % loss), distributive (sepsis, warm then cold) ✓.