Solutions

2.1

- The central 95 % (2.5 % outside at each end) ✓.

2.2

- Specimen, gross, microscopy, diagnosis, comment ✓.

2.3

- ≈ 99 mg/dL (× 18) ✓.

3.1

- K^+ 8.2: haemolysis burst red cells – re-draw gently ✓.
- Ca^{2+} 1.9: EDTA chelates calcium – chemistry needs the correct tube ✓.
- Glucose 2.8: cells consumed ~5–7 mg/dL/h unspun – separate promptly ✓.
- Shared rule: the analyser reports the tube; ask how the sample travelled first ✓.

3.2

- Stations: specimen (core) → gross (1.8 cm focus) → microscopy (infiltrating glands) → diagnosis → comment ✓.
- Grade = Gleason 8 (appearance); stage = pT3 N1 M0 (extent) – two axes ✓.
- Comment adds: sampling limits, special stains or tests pending ✓.