

SMART EDU HUB

9700 A LEVEL BIOLOGY

Cambridge A Level Biology (9700) – Paper 1 Tough Questions

October-2023- Multiple Choice paper- Paper 2-All variants

Paper 9700/21 – AS Structured (Variant 21)

- Q1(a)(ii-iii) – Ion movement and chloride shift explanation
- Q1(b) – Endocytosis vs osmosis
- Q2(b)(iii) – Ghrelin structure–function application
- Q2(c) – Codon counting and RNA splicing
- Q3(a) – Sieve tube element identification
- Q3(c) – Cohesion vs adhesion in transpiration
- Q4(c) – Cardiac tamponade application
- Q5(b)(ii) – Cholesterol and membrane fluidity
- Q6(b) – K_m vs V_{max} interpretation

Paper 9700/22 – AS Structured (Variant 22)

- Q1(b) – Metaphase chromosome diagram accuracy
- Q1(c) – Chromosome vs chromatid terminology
- Q2(c) – Keratin vs collagen confusion
- Q2(e) – Using two graphs with correct units
- Q4(d)(ii) – Introns vs exons definitions
- Q6(a)(ii) – Modified nucleotide and phosphodiester bond
- Q6(b)(ii) – Explaining reduction in V_{max}

Paper 9700/23 – AS Structured (Variant 23)

- Q1(a) – Red blood cell changes due to Plasmodium
- Q1(b) – Asexual reproduction vs meiosis confusion
- Q1(c) – Antibody mode of action
- Q1(d) – Factors for successful vaccination programmes
- Q3(d)(i) – Describing graph vs explaining
- Q4(b)(ii) – Why only one DNA strand is transcribed
- Q5(e) – Elastic artery structure–function reasoning