

## SMART EDU HUB

### 9700 A LEVEL BIOLOGY

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

#### OCTOBER/NOVEMBER-2023- Multiple Choice paper- Paper 1-All variants

##### Paper 9700/11 – MCQ (Variant 11)

- Q2 – Cell size calculation and unit conversion
- Q3 – Lysosome function and lipid build-up
- Q6 – Prokaryotic DNA misconceptions
- Q11 – Protein secondary structure (covalent bonds error)
- Q19 – Mitosis vs cell cycle confusion
- Q23 – Percentage calculation from data
- Q25 – RNA base pairing (U replaces T)
- Q26 – Guessing apoplast/symplast movement
- Q33 – Bohr shift interpretation
- Q34 – Cardiac conduction pathway error
- Q37 – Antibiotic resistance data interpretation
- Q39 – Active vs passive immunity confusion

##### Paper 9700/12 – MCQ (Variant 12)

- Q2 – Unit conversion error (nm vs  $\mu\text{m}$ )
- Q7 – Covalent bonds in viral proteins
- Q8 – Systematic vs random error
- Q11 – Amino acid side-chain structure
- Q16 – Water potential vs solute concentration
- Q17 – Surface area to volume ratio reasoning
- Q19 – Roles of mitosis
- Q21 – DNA ligase role
- Q22 – Leading vs lagging strand differences
- Q27 – Sucrose loading mechanism
- Q33 – Cardiac cycle graph interpretation
- Q34 – Goblet cells in bronchioles
- Q35 – SEM vs TEM identification

### **Paper 9700/13 – MCQ (Variant 13)**

- Q5 – Plasmodesmata description
- Q7 – Prokaryotes and mitosis
- Q12 – Hydrogen bonding misconceptions
- Q13 – Cellulose hydrogen bonding
- Q14 – Enzyme action statements
- Q15 – Enzyme active site misconceptions
- Q18 – Endocytosis vs exocytosis comparison
- Q22 – Lagging strand structure
- Q23 – mRNA codon vs tRNA anticodon
- Q24 – Data processing (percentage)
- Q25 – Xylem vessel function
- Q29 – White blood cell identification
- Q34 – Bronchus vs alveolus identification
- Q38 – Data-supported conclusion