

Question Number	Answer	Mark
2(a)(i)	C ;	(1)

Question Number	Answer	Mark
2(a)(ii)	B ;	(1)

Question Number	Answer	Mark
2(a)(iii)	C ;	(1)

Question Number	Answer	Mark
2(b)	<p>ACCEPT any mark point from a clearly annotated diagram</p> <ol style="list-style-type: none"> 1. reference to {granum / grana} ; 2. reference to (a granum is) a stack of {thylakoids / membranes} OR grana are connected by lamellae ; 3. reference to (thylakoids contain) {electron carriers / eq} / chlorophyll / photosystems ; 4. reference to (membranes contain) {ATPase / ATPase channel} ; 5. idea that {electron carriers / ATPase / eq} are associated with {thylakoid / thylakoid membranes} ; 	(3)

Question Number	Answer	Mark
2(c)	<ol style="list-style-type: none"> 1. GALP is a 3C molecule / eq ; 2. reference to formation of {glucose / hexose/ 6C sugar} (from GALP) ; 3. idea of enzymes involved in the synthesis of {glucose / cellulose} ; 4. idea that cellulose consists of {β-glucose / beta glucose } ; 5. joined by glycosidic bonds / eq; 6. reference to 1-4 (bonds) ; 7. reference to condensation reactions (between glucoses) ; 8. idea that cellulose is a long chain molecule e.g. polysaccharide, polymer ; 9. {unbranched / eq} molecule ; 	(5)