

Question Number	Answer	Mark
2 (a)(i)	circle labelled G between one glucose monomer and the next ;	(1)

Question Number	Answer	Mark
2 (a)(ii)	circle labelled H placed on diagonal bonds (dotted lines) between adjacent cellulose molecules ;	(1)

Question Number	Answer	Mark
2 (b)(i)	1. B ; 2. {most/highest} magnesium (ions) ;	(2)

Question Number	Answer	Mark
2 (b)(ii)	1. B ; 2. {most/highest} calcium (ions) ; 3. (calcium) is a component of {middle lamella / primary cell wall/ calcium pectate / pectin} / eq ;	(3)

Question Number	Answer	Mark
2 (c)(i)	2.65 to 2.70 ;	(1)

Question Number	Answer	Mark
2 (c)(ii)	<p>Any one from:</p> <ol style="list-style-type: none"> 1. {less/reduced} genetic variation/ reduced effect of genotype 2. seeds are the {same age / produced under the same conditions} ; 	(1)

Question Number	Answer	Mark
2 (c)(iii)	<p>Any two from</p> <ol style="list-style-type: none"> 1. volume of solution ; 2. light / eq ; 3. temperature ; 4. concentration of other mineral ions ; 5. pH ; 6. initial status of seedlings e.g. height ; 	(2)