

Multiple Choice Answers

Q39: B

Q40: C

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2(a)(i)	<i>any two from:</i> multicellular / AW ; producer / <i>ref. to</i> photosynthesis / (presence of) chloroplasts or chlorophyll ; cellulose cell wall ; non-motile ; reproduces asexually, and / or, sexually ; AVP ;
2(a)(ii)	<i>any two from:</i> animal ; fungi ; protocist ; prokaryote ;
2(b)	(vascular bundles) would be in a ring / AW ;
2(c)	root hair labelled ; xylem correctly drawn and labelled ; phloem correctly drawn and labelled ;
2(d)	<i>any two from:</i> transport / AW, of water ; transport / AW, of (mineral) ions / minerals ; support / AW ;
2(e)	<i>any five from:</i> 1 girdled trees produced a greater mass of fruit / ora ; 2 comparative data manipulation ; 3 phloem transports, <u>sucrose</u> / <u>amino acids</u> ; 4 leaves, photosynthesise / produce (named), carbohydrates / sugars ; 5 sugars / sucrose / amino acids, used for <u>growth</u> of fruit ; 6 <i>idea that</i> (in girdled tree) sucrose / sugar / amino acids, stays in the branch / cannot be transported downwards ; 7 <i>ref. to</i> translocation ; 8 leaves are the source ; 9 (growing) fruit is the sink ;
2(f)	pectinase ;

6(a)	20 ; 90 ; muscles / blood ; debt ; liver ; oxygen ; aerobic ;
6(b)(i)	liver ;
6(b)(ii)	kidney ;
6(c)	$\text{C}_6\text{H}_{12}\text{O}_6 \rightarrow$; $2\text{C}_2\text{H}_5\text{OH} + 2\text{CO}_2$;
6(d)	bread / AVP ;

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Q40: A