

Multiple Choice Answers

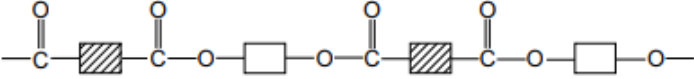
Q32: C

Q34: C

Q36: B

Multiple Choice Answers

Q34: C

5(a)(i)	$C_nH_{2n+1}OH$						
5(a)(ii)	(same) functional group						
5(b)(i)	<table border="1"> <tr> <td>M1 25–35</td><td>M2 300</td></tr> <tr> <td>M3 yeast</td><td>M4 acid</td></tr> <tr> <td>M5 absence of oxygen</td><td>M6 60 atm</td></tr> </table>	M1 25–35	M2 300	M3 yeast	M4 acid	M5 absence of oxygen	M6 60 atm
M1 25–35	M2 300						
M3 yeast	M4 acid						
M5 absence of oxygen	M6 60 atm						
5(b)(ii)	$C_6H_{12}O_6 \rightarrow 2C_2H_5OH + 2CO_2$ M1 $C_6H_{12}O_6$ as the only reactant on left M2 correct equation						
5(b)(iii)	$C_2H_4 + H_2O \rightarrow C_2H_5OH$ M1 both $C_2H_4 + H_2O$ only on left M2 correct equation						
5(c)(i)	$C_4H_{10}O_2$						
5(c)(ii)	2						
5(d)(i)	$C_2H_3O_2$						
5(d)(ii)	hydrogen						
5(e)(i)	 M1 any one correct fully displayed ester link between any two blocks M2 three fully displayed inter-block ester links with correct orientation M3 fully correct diagram showing two complete repeat units of polyester including continuation bonds						
5(e)(ii)	condensation (polymerisation)						

5(a)	M1 (have a) general formula of C_nH_{2n+2} M2 differ from one member to the next by a $-CH_2-$ unit
5(b)(i)	increases

5(b)(ii)	M1 physical property M2 change as chain length increases
5(c)	all carbon–carbon bonds are single (bonds)
5(d)(i)	ultraviolet light
5(d)(ii)	M1 $\text{CH}_3\text{CH}_2\text{CH}_2\text{Cl}$ M3 1-chloropropane M2 $\text{CH}_3\text{CHClCH}_3$ M4 2-chloropropane
5(d)(iii)	(compounds with) the same molecular formula but different structural formulae or structure

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Q35: D