

Question number			Answer	Notes	Marks
1	(a)		C (the walls)	<p>no marks for</p> <ul style="list-style-type: none"> <li>‘air is trapped’ as is given in stem</li> <li>conduction/convection mechanism described <b>e.g. air can’t convect up through layers</b></li> </ul> <p>allow air is trapped fibres prevent movement of air</p>	1
	(b)		D (40%)		1
	(c)	(i)	Any <b>two</b> of – <ul style="list-style-type: none"> <li>Fibres are good insulators / bad conductors;</li> <li>Air is a bad conductor / good insulator;</li> <li>Because air particles are widely spaced;</li> <li>conduction requires solids/does not occur in gases;</li> </ul>		2
		(ii)	stopping /reducing (formation of) convection <u>currents</u> ;  air in the insulation can’t move/eq;		2

Total 6 marks