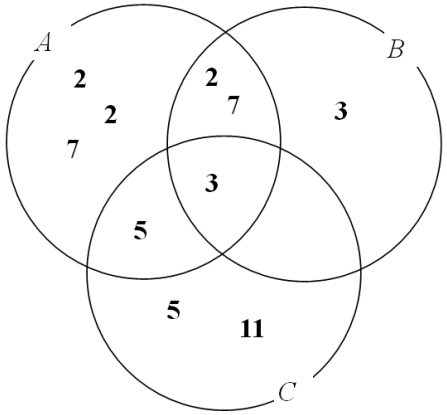
<table>
<tr><td>7 (a)</td><td>$2\times2\times2\times5\times5$ or 2, 2, 2, 5, 5 or $2\times2\times3\times5\times7$ or 2, 2, 3, 5, 7 or eg
<table><tr><td>2</td><td>200</td><td>420</td></tr><tr><td>2</td><td>100</td><td>210</td></tr><tr><td>5</td><td>50</td><td>105</td></tr><tr><td></td><td>10</td><td>21</td></tr></table></td><td></td><td>2</td><td>M1</td><td>for one number written as a product of prime factors or prime factors listed – numbers may be at end of factor trees or on ‘ladder diagrams’ or in a table or in a Venn diagram
or
at least two factors for each (excluding 1, 200, 420)</td></tr>
<tr><td></td><td>Correct answer scores full marks (unless from obvious incorrect working)</td><td>20</td><td></td><td>A1</td><td>or $2^2\times5$ oe</td></tr>
<tr><td>(b)</td><td>
</td><td></td><td>2</td><td>M1</td><td>for $2^m\times3^n\times5^p\times7^q\times11^r$ with at least three of $m = 3$, $n = 2$, $p = 2$, $q = 2$, $r = 1$ (all 5 terms should be seen) or omission of one term with others fully correct
OR prime factors seen in a Venn diagram – if so must be fully correct</td></tr>
<tr><td></td><td>Correct answer scores full marks (unless from obvious incorrect working)</td><td>$2^3\times3^2\times5^2\times7^2\times11$</td><td></td><td>A1</td><td>allow 970 200 oe</td></tr>
<tr><td></td><td></td><td></td><td></td><td></td><td>Total 4 marks</td></tr>
</table>