Question	Marking Guidance	Mark	Comments
01.1	<ul> <li>(Insulin stimulates release of osteocalcin – no mark)</li> <li>1. Osteocalcin causes more (release of) insulin;</li> <li>2. (More) insulin causes more (inactive) osteocalcin (release);</li> </ul>	2	1. and 2. Idea of more required but other words can be used 1. and 2. Ignore ref. to further 1. and 2. Ignore ref. to more B cells / osteoblasts stimulated
01.2	(Change in pH) changes / breaks ionic / hydrogen bonds;      Changes tertiary structure;	2	1. Ignore ref. to peptide or sulfur-sulfur bonds 1. Accept polar bonds 2. Ignore changes to primary structure 2. Reject ref. to active site / enzyme 2. Accept forms binding site 2. Ignore 3D 2. Accept 3°
01.3	(Insulin) leads to more transport proteins / channel (proteins) / carrier (proteins) for glucose;      More glucose (for respiration / glycolysis) enters cell;	2	Idea of more required once to cover both mark points  1. Ignore references to opening channels  1. Accept co-transport / GLUT 1 or 4 protein  2. Ignore references to glycogen formation / fat metabolism / enzyme activation