<table>
<tr><th>Question</th><th>Answer</th><th>Marks</th><th>AO Element</th><th>Notes</th><th>Guidance</th></tr>
<tr><td>1</td><td>any four from:
(coating of) bacteria and food / plaque, on teeth ;
bacteria respire (the sugars in food) ;
(bacteria) produce acid ;
(acid) dissolves, enamel / A / dentine / B ;
idea of nerves / pulp cavity / C, exposed / reached / AW ;</td><td>4</td><td></td><td></td><td></td></tr>
<tr><td>2</td><td>cement correctly identified with a label and a label line ;
gum correctly identified with a label and a label line ;
nerves correctly identified with a label and a label line ;</td><td>3</td><td></td><td></td><td></td></tr>
<tr><td>3</td><td><table>
<tr><th>large molecule</th><th>enzymes</th><th>small molecules</th></tr>
<tr><td>protein</td><td>(named) protease ;</td><td>amino acids</td></tr>
<tr><td>starch ;</td><td>amylase</td><td>glucose</td></tr>
<tr><td>fats and oils</td><td>lipase ;</td><td>(fatty acids and) glycerol ;</td></tr>
</table></td><td>4</td><td></td><td></td><td></td></tr>
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<table>
<tr><th>Question</th><th>Answer</th><th>Marks</th><th>AO Element</th><th>Notes</th><th>Guidance</th></tr>
<tr><td>4</td><td>
<table>
<tr><th>name of enzyme</th><th>function</th><th>site of action</th></tr>
<tr><td>pepsin</td><td>breaks down protein to, amino acids / (poly)peptides</td><td>stomach</td></tr>
<tr><td>trypsin</td><td>breaks down protein / polypeptides, to amino acids / peptides</td><td>small intestine</td></tr>
<tr><td>maltase</td><td>breaks down maltose to glucose</td><td>intestinal epithelium / small intestine</td></tr>
</table>
;;;
</td><td>3</td><td></td><td>one mark for each correct row</td><td></td></tr>
<tr><td>5</td><td>small intestine / duodenum ;</td><td>1</td><td></td><td></td><td></td></tr>
<tr><td colspan="6">[Total: 15]</td></tr>
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