



## Digestive Enzymes Q

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5 minutes



5 marks

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**Q1.** A patient has a disease. The disease damages his pancreas.

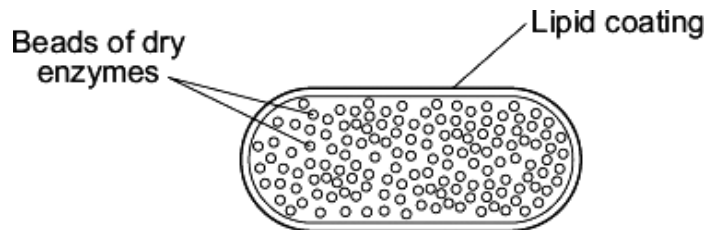
A doctor prescribes a course of treatment for the patient:

*'Take one capsule with each meal.'*

Each capsule contains hundreds of small, dry beads.

The beads are made of enzymes. The pancreas normally produces these enzymes.

The outer coating of the capsule is made of lipid.



(a) One enzyme in the beads is lipase.

In a healthy person, lipase is made in the pancreas.

Name **two** other enzymes made in the pancreas of a healthy person.

1 .....

2 .....

(2)

(b) The lipid coating on the capsule makes sure that the enzymes are not released until the capsule reaches the small intestine.

Explain how.

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.....  
.....  
.....

(2)

(c) The lipase in the beads does **not** digest the lipid coating around the capsule.

Suggest why.

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(1)

(Total 5 marks)

