Practice Question Set For GCSE
Subject : Biology
Paper-1 Topic: B2 Organisation

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Name of the Student:_____
Max. Marks : 20 Marks **Time : 20 Minutes**

Mark Schemes

Q1.

(a) **A** − saliva(ry) gland

1

B − liver

1

C − duodenum

ignore small intestine

1

D − pancreas

accept phonetic spellings

1

(b) (i) any **three** from:

- chewing / muscle contraction / mechanical digestion
  allow churning
- protease enzymes
  allow pepsin / trypsin
- in stomach / small intestine / duodenum / from pancreas
- (break down protein) into amino acids
  allow (poly)peptides

3

(ii) neutralises acid pH / makes conditions alkaline

1

so lipase can work

1

emulsifies fat

1

to give large(r) surface area for lipase / enzyme action

1

(c) (i) starch

ignore carbohydrate

1

(ii) breakdown stops

allow slows down

1

because stomach produces / contains acid / has low pH

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1

and amylase cannot work in acid / low pH

accept amylase is denatured / changes shape

1

[15]

Q2.

(a) (i) idea of 'normal' food / diet

e.g. 'the same as usual' or 'the same as before'

allow balanced diet

allow none of the slimming programmes

ignore healthy diet

1

(ii) for comparison

accept to show the test is valid

allow to show the effect of the slimming programmes

allow to see if the slimming programmes work

ignore idea of fair test / reliable

*do **not** allow accurate / precise*

1

(b) (i) (at first) large / rapid (loss / change of body mass)

1

then small (loss / change) / levelling off

*accept 'loss of mass decreased' for **2** marks*

1

(ii) all lost body mass (compared to the control group)

1

[5]

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