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

Merit Minds
www.merit-minds.com
Exam Preparation and Free Resources

Name of the Student:_____
Max. Marks : 23 Marks **Time : 23 Minutes**

Mark Schemes

Q1.

(a) any **two** from:

- neutralises acid / makes conditions alkaline / raises pH
- enzymes (in small intestine) work (more/most effectively) **or** stop/prevents enzymes being denatured
- emulsifies fats/lipids **or** description of emulsification
  *do **not** accept breakdown unqualified*
- larger surface area

2

(b) (i) bile / bilirubin / pigment / broken down haemoglobin / substance / cholesterol linked to movement **or** effect

1

does **not** get to the intestine / food / faeces **or** cannot leave liver **or** effect not happening (in intestine)

1

(ii) bilirubin / pigment / broken down haemoglobin
not 'bile' alone

1

(deposited) in skin
only award if bilirubin / pigment / broken down haemoglobin given
allow carried in the blood

1

[6]

Downloaded from www.merit-minds.com

Q2.

(a) lipase

1

(b) fatty acid

ignore glycerol

1

(c) (i) 0.25 or $\frac{1}{4}$

if <u>correct</u> answer ignore working or lack of working

$\frac{(8.7-7.7)}{4}$ *for **1** mark*

2

(ii) fats emulsified **or** described re. Small droplets **or** large S.A. (for enzyme action) **or** fats 'mix' better with water

*do **not** allow breakdown / breakup unqualified*

1

[5]

Downloaded from www.merit-minds.com

Q3.

(i) eyes as sense organs/detector/receptors in eye,
electrical signals (impulses),
to co-ordinator,
then to leg muscles/effector
for 1 mark each

4

(ii) affects the nervous system and slows down the reactions
for 1 mark

1

[5]

Downloaded from www.merit-minds.com

Q4.

(a) digested / broken down / made soluble by protease enzyme
in stomach in small intestine / from stomach / from pancreas
into amino acids
amino acids / small molecules absorbed into blood

any four for 1 mark each

4

(b) *ideas that*
lipase / enzyme works best in alkaline / neutral conditions
acid denatures or inactivates enzyme / inhibits enzyme activity
bile emulsifies fat / bile produces larger surface area of fats / bile alkaline
<u>for</u> enzyme to work on / which increase activity of enzymes

any three for 1 mark each

3

[7]

Downloaded from www.merit-minds.com