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

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Name of the Student:_____
Max. Marks : 18 Marks **Time : 18 Minutes**

Mark Schemes

Q1.

(a) (i) 251.2

*award **2** marks for correct answer, irrespective of working.*
*if incorrect or no answer 62.8 x 4 or equivalent gains **1** mark*

2

(ii) 31.2

allow ecf from (a)(i); answer to (a)(i) – 220

1

(b) any **two** from:

- overweight / obesity **or** increased BMI
  allow get fat
  ignore get heavier
- (Type 2) diabetes
  allow high blood sugar
- high blood pressure
- cardiovascular / heart disease **or** heart problems **or** disease of blood vessels **or** clogged arteries
- high cholesterol
- arthritis / worn joints
- tooth decay

2

[5]

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Q2.

(a) transpiration

1

(b) (i) 200

correct answer with or without working

if answer incorrect:

*allow **1** mark for 8 × 25 **or***

*allow **1** mark for answer from candidate's count × 25*

2

(ii) **R**

*allow **P** or **Q** if candidate's answer to (b)(i) nearer to value for one of those*

*do **not** allow **R** if the answer to (b)(i) would give an answer of **P** or **Q***

allow R if (b)(i) is blank

1

(iii) few stomat

allow no stomata on upper surface / all stomata on lower surface

1

little / less transpiration **or** little / less water (vapour) loss / enable water to be retained

allow no water loss from upper surface

1

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Q3.

(a) (i) 7500

ignore units

1

(ii) any **two** from

if examples given they must be correct

(differences in)

- age
- gender / sex
- activity /amount of exercise
  allow job / lifestyle
  ignore fitness / health / medication
- metabolism / metabolic rate
  allow BMR
- genetic differences
- body weight / mass / size / physique
  allow BMI
- pregnancy
- proportion of muscle to fat

2

(b) **A**

if box empty, allow in explanation

1

more energy taken in than used

accept more food taken in than used
allow correct numbers if comparative
ignore incorrect numbers if comparison correct

1

(c) eat less (food / carbohydrates / fat / calories)

accept a medical treatment such as gastric band / slimming pills / liposuction
ignore balanced / healthy / diet
allow go to weight watchers etc.
ignore burn off more

1

exercise (more) **or** go to the gym

1

[7]

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