Practice Question Set For GCSE
Subject : Biology
Paper-1 Topic: B3 Infection And Response

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

Mark Schemes

Q1.

(a) 40 – 60 hours

1

(b) (i) decrease

1

1st slowly then faster / appropriate detail from the graph – e.g. from 7.8 to 0 / faster after 4 – 10h

1

(ii) oxygen after glucose

extra box ticked cancels 1 mark

1

oxygen less than glucose

1

(iii) respiration

1

[6]

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Q2.

(a) any **two** from:

ignore eating disorder
ignore cancer

- arthritis
  accept worn joints
- diabetes
  accept high blood sugar
- high blood pressure
  ignore cholesterol
- heart disease / heart condition / heart attack / blood vessel disease
  allow blood clots / strokes

2

(b) (i) $\frac{1}{4}$ **or** 0.25 **or** 25%

*correct answer gains **2** marks*
*if answer incorrect, evidence of 1500 ÷ 6000 gains **1** mark*
*25 without % gains **1** mark*

2

(ii) majority / most / high proportion of people in trial lost mass / weight

ignore good results / it worked

1

[5]

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Q3.

(a) (i) lives inside cells

1

(ii) inactive

1

(iii) antibodies

1

(b) (i) 1950

1

(ii) 8 (years)

1

(iii) any **one** from: eg

- disease could be reintroduced (from abroad)
  disease might come back insufficient
- disease would spread if it came back
- protection on holiday abroad
- high proportion of immune people needed to prevent epidemic

1

[6]

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Q4.

(a) (i) 12

*correct answer with **or** without working*

*if answer incorrect evidence of (number of deaths) × 6 **or** 2 seen gains **1** mark*

2

(ii) (ward 2)

more deaths / infections on ward 1

or

less deaths / infections on ward 2

1

(b) (i) **both** bars correctly plotted

*ie plots in spaces between 2.8 and 3.2 **and** 0.8 and 1.2*

ignore width and shading

1

(ii) less deaths / infections

1

(iii) bacteria / germs / microbes / infection killed / washed off

accept less infections passed on

1

[6]

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