Mark schemes – Biology Unit 2 homework

**Q1.**

(a)

|  |  |  |  |
| --- | --- | --- | --- |
| **Structure** | **Organ** | **Organ system** | **Tissue** |
| Stomach |  |   |  |
| Cells lining the stomach |  |   |  |
| Mouth, oesophagus, stomach, liver, pancreas, small and large intestine |   |  |   |

all 3 correct = 2 marks

2 correct = 1 mark

1 or 0 correct = 0 marks

**2**

**Q2.**

(a)     platelets

**1**

white blood cells

**1**

plasma

*this order only*

**1**

**Q3.**

 (a)     red blood cell(s)

**1**

white blood cell(s)

*accept named cell*

*eg phagocyte / lymphocyte*

**1**

(plasma)

transports proteins / dissolved substances / food (molecules) / urea / hormones / blood
cells

**1**

**Q4.**

(a)     (i)     root hair

**1**

(ii)     any **two** from:

*ignore food*

•        water

•        ions / minerals / nutrients / salts / correct named eg nitrates

*ignore N,P,K*

•         oxygen

**2**

(b)     (i)      stomata

**1**

(ii)     diffusion

**1**

**[5]**

**Q5.**

(a)     (**A**) right atrium

**1**

(**B**) right ventricle

**1**

(b)     To take blood from the lungs to the heart

**1**

**Q6.**

 (a)     (i)      glycerol

**1**

(ii)     pancreas / small intestine

*accept duodenum / ileum*

*ignore intestine unqualified*

**1**

**2**

**Q7.**

 (a)     (i)      **X** = stoma

*accept stomata / stomatal pore
do* ***not*** *accept air space*

**1**

**Y** = guard cell

**1**