

Name of the Student: _____

Max. Marks : 17 Marks

Time : 17 Minutes

Mark Schemes

Q1.			
(a)	(i)	diffusion <i>apply list principle</i>	1
	(ii)	A <i>apply list principle</i>	1
(b)	(i)	osmosis <i>apply list principle</i>	1
	(ii)	R <i>apply list principle</i>	1
			[4]

Q2.

(a) (i) capillary

1

(ii) diffusion

1

(b) (i) Z

ignore any names

1

(ii) large / increased surface / area
allow all food absorbed

or to absorb more food

or improved diffusion

1

[4]

Q3.

- (a) (i) **A** – (cell) wall 1
- B** – cytoplasm 1
- C** – plasmid 1
- (ii) bacterium cell has cell wall / no nucleus / no mitochondria / plasmids present
accept its DNA / genetic material is not enclosed / it has no nuclear membrane
it = bacterium cell
accept converse for animal cell
ignore flagella 1
- (iii) any **one** from:
- chloroplast
ignore chlorophyll
 - (permanent) vacuole
- 1
- (b) (Long tail) moves the sperm / allows the sperm to swim 1
- towards the egg
allow correct reference to other named parts of the female reproductive system 1
- (Mitochondria) release energy (for movement / swimming)
allow supply / produce / provide 1
- in respiration 1

[9]