

# Excretion

## Mark Scheme 2

<b>Level</b>	IGCSE(9-1)
<b>Subject</b>	Biology
<b>Exam Board</b>	Edexcel IGCSE
<b>Module</b>	Single Award (Paper 2B)
<b>Topic</b>	Structure and Functions in Living Organisms
<b>Sub-Topic</b>	Excretion
<b>Booklet</b>	Mark Scheme 2

**Time Allowed:** 16 minutes

**Score:** /13

**Percentage:** /100

**Grade Boundaries:**

9	8	7	6	5	4	3	2	1
>90%	80%	70%	60%	50%	40%	30%	20%	10%

Question number	Answer	Notes	Marks
1 (a)	removal / eq;  waste products of cells / metabolism / respiration / chemical reactions;	getting rid of toxic waste = 1 ignore toxic ignore examples such as CO <sub>2</sub> / urea MP2 reject if ref to egestion/faeces	2
(b) (i)	release <u>sweat</u> / <u>sweating</u> / eq; evaporation / eq; cooling / heat loss / eq;		3
(b) (ii)	vasodilation / dilate / widen / expand / eq; (more) <u>blood</u> to skin/surface / <u>blood</u> near to skin/surface; cooling / heat loss / eq;	ignore names of blood vessels ignore vasoconstriction reject blood vessels moving	3
(c) (i)	lower blood glucose / lower blood sugar / eq; glycogen; liver / muscle;	must be stated converts glucose to glycogen = 1	max 2
(c) (ii)	1 control water level / water regulation / osmoregulation / eq; 2 permeability / eq; 3 <u>collecting duct</u> ; 4 water reabsorption / water into blood / water into body / less waterloss from body / more concentrated urine / less urine / eq;		max 3
		<b>Total</b>	13