As part of CIE's continual commitment to maintaining best practice in assessment, CIE has begun to use different variants of some question papers for our most popular assessments with extremely large and widespread candidature, The question papers are closely related and the relationships between them have been thoroughly established using our assessment expertise. All versions of the paper give assessment of equal standard.

The content assessed by the examination papers and the type of questions are unchanged.

This change means that for this component there are now two variant Question Papers, Mark Schemes and Principal Examiner's Reports where previously there was only one. For any individual country, it is intended that only one variant is used. This document contains both variants which will give all Centres access to even more past examination material than is usually the case.

The diagram shows the relationship between the Question Papers, Mark Schemes and Principal Examiner's Reports.

Question Paper	Mark Scheme	Principal Examiner's Report
Introduction	Introduction	Introduction
First variant Question Paper	First variant Mark Scheme	First variant Principal Examiner's Report
Second variant Question Paper	Second variant Mark Scheme	Second variant Principal Examiner's Report

#### Who can I contact for further information on these changes?

Please direct any questions about this to CIE's Customer Services team at: international@cie.org.uk

UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS International General Certificate of Secondary Education

# MARK SCHEME for the May/June 2008 question paper

# 0610 BIOLOGY

0610/31

Paper 31 (Extended Theory), maximum raw mark 80

This mark scheme is published as an aid to teachers and candidates, to indicate the requirements of the examination. It shows the basis on which Examiners were instructed to award marks. It does not indicate the details of the discussions that took place at an Examiners' meeting before marking began.

All Examiners are instructed that alternative correct answers and unexpected approaches in candidates' scripts must be given marks that fairly reflect the relevant knowledge and skills demonstrated.

Mark schemes must be read in conjunction with the question papers and the report on the examination.

• CIE will not enter into discussions or correspondence in connection with these mark schemes.

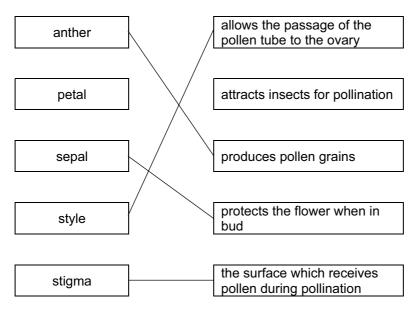
CIE is publishing the mark schemes for the May/June 2008 question papers for most IGCSE, GCE Advanced Level and Advanced Subsidiary Level syllabuses and some Ordinary Level syllabuses.



UNIVERSITY of CAMBRIDGE International Examinations

Page 2	Mark Scheme	Syllabus	Paper
	IGCSE – May/June 2008	0610	31

(a) reject lines to or from the same box, e.g. anther and petal to produce pollen grains
 A if lines do not touch box but meaning is clear



[4]

(b) assume answer is about stigma of wind-pollinated flower unless told otherwise, accept **ora**, 2 max for differences, 1 or 2 for significance

wind-pollinated stigma,

feathery / hairy ; **R** branched *ignore not sticky* large(r) ; **A** large surface area outside flower / AW ; **A** pendulous / exposed *ignore long and short*  insect-pollinated stigma

not, feathery / hairy ; *ignore sticky* small(er) ; **A** small surface area inside flower / AW ;

[2 max]

explanation

to catch pollen / AW (in the wind) ; **A** for pollen to attach (to stigma) *or* make pollination more likely / easier increase chance of pollination ;

*'more likely to catch pollen' = 2 marks* 

- (c) 1 little / less / AW / no, <u>variation</u>; R cloning
  - 2 ref to becoming homozygous ; *ignore ref to gene* 
    - **3** e.g. of consequence 'good' or 'bad' ;
      - e.g. less chance of adapting to changing conditions / less ability to evolve / may become extinct / adapted variety spreads / AW ;
    - 4 greater chance of pollination / ensures pollination occurs ; A reproduction / fertilisation
    - **5** useful if no other plants (of same species) nearby ;
    - 6 less wastage of pollen ; A gametes
    - 7 not dependent on (named) agent of pollination ;

[max 3]

[max 3]

[Total: 10]

	Mark Scheme	Syllabus	Paper
	IGCSE – May/June 2008	0610	31
eats	/ consumes / feeds on, animals / meat / flesh ;		[1
exter marr	nal ear(s) / pinna(e) ; mary glands / breasts / nipple / glands that produc	e milk / AW ;	[max 2
hunt shor pred loss char pollu	ing (by farmers); <b>R</b> poaching tage of, food / antelopes; <b>A</b> idea of fewer tage of water / drought; ation (by lions); <b>A</b> more lions of habitat / AW e.g. territory; <b>R</b> space unqualified tige of climate / AW; tion;		
		breed as much	[max 2
extin	ction / become endangered / become rare / inbree	ding;	[1
	fur / exter mam disea hunti short pred loss chan pollu AVP	<pre>eats / consumes / feeds on, animals / meat / flesh ; fur / hair / whiskers / vibrissae ; external ear(s) / pinna(e) ; mammary glands / breasts / nipple / glands that produc</pre>	<pre>eats / consumes / feeds on, animals / meat / flesh ; fur / hair / whiskers / vibrissae ; external ear(s) / pinna(e) ; mammary glands / breasts / nipple / glands that produce milk / AW ;</pre>

<u>grass</u> —	antelope		lion
producer	primary consumer / herbivore	secondary consumer / carnivore	tertiary consumer / top carnivore / top predator /

1 mark for minimum of two arrows in correct direction;

1 mark for all organisms named and all in correct order as a chain ; ignore sun / decomposers / parasites

2 marks for labelling the trophic levels -

*either* producer, primary, secondary + tertiary consumer or 1<sup>st</sup>, 2<sup>nd</sup>, 3<sup>rd</sup>, 4<sup>th</sup> ;;

if one or two labels incorrect award 1 mark

[4]

Page 4	4	Mark Scheme	Syllabus	Paper
		IGCSE – May/June 2008	0610	31
(d) (i)	of, h 'mal <b>One</b> for f ence	ntenance / protection / preservation / 'caring for' / 'lo abitat / ecosystem / community / species / (named) king a habitat' = 1 mark e of the following for a max 1 mark uture generations / prevent extinction ; burage breeding (in wild or in captivity) ;		
	ref t	o, biodiversity / genetic resources / AW ;		[max 2
(ii)	(nat rang ensi legis cont educ capt reint	rent destruction of, grassland / habitat; <b>A</b> preserve ure) reserve / wild life park / AW; gers / wardens; ure good supply of, food / antelopes / prey / AW; slation / AW; e.g. refs to poaching / wild life trade rol of, predators / lions; <b>A</b> 'kill lions' / 'drive lions away' / 'provide food for lic cation of local population; ive <i>breeding</i> / <i>breed</i> in a zoo / <i>breeding</i> programme troduction to the wild; <b>b</b> ; e.g. further detail of any of the above points	ons'	[max 3]
		efs to nitrogen fixation / denitrification points 7 + 8 must be in the correct context		
1 2 3 4 5 6 7 8 9 10 11	excr dung deca prot dean amn nitrit <i>nitrit</i>	en / digested by) (named) scavenger(s) / hyaenas / retion / urine / egestion / faeces / AW ; g beetles / detritivores / maggots ; ay / decomposition / rotting, by, bacteria / fungi / name ein $\rightarrow$ amino acids ; mination / amino acids $\rightarrow$ ammonia ; A protein – nonia $\rightarrow$ nitrite ; te $\rightarrow$ nitrate ; $A$ ammonia $\rightarrow$ nitrate fication / nitrifying bacteria ; psomonas / Nitrobacter in correct context of nitrification ts absorb, <u>nitrate</u> / <u>ammonia</u> ;	med decomposer <b>;</b> → ammonia	
	'dec	omposition by nitrifying bacteria' = 0		[max 5

[Total: 19]

	Pa	ige 5	5	Mark Scheme	Syllabus	Paper
				IGCSE – May/June 2008	0610	31
3	(a)	(i)	excr	retion;		[1]
		(ii)	cata	ogical; A made by, cells / organisms lyst / described; de of) protein / AW;		
			bio-o	catalyst = 2 marks		[max 2]
	(b)	(i)	pH;	<b>A</b> ph / PH / Ph		[1]
		(ii)	potato ;			
				me of hydrogen peroxide ; centration of hydrogen peroxide ;		
				mount' with respect to hydrogen peroxide fs to catalase / enzyme		[max 2]
	(c)	bel	ren – may be in whi ' working	te space		
		10	divide	ed by 17.4		
		0.5	6 / 0.5	57 / 0.58 ;;		[2]
	(d)	gra 1 2	<i>x-ax</i> <i>y-ax</i> rate	ris labelled pH ; ris labelled – must have units (of oxygen production / of reaction), cm <sup>3</sup> min <sup>-1</sup> / cm	<sup>3</sup> per min ;	
		3 4	cont all th	ts all correct ; use the overlay, but <b>A</b> <i>ecf from</i> <b>(c)</b> inuous and clear line , which may be either a curve ne points or straight lines between points line goes beyond plotted points	e which may not go	through [4]
	(e)	(i)		ease in rate to (pH) 6 then decrease / reaches a pea rate given as a data quote, <b>with cm<sup>3</sup> min<sup>-1</sup> / cm<sup>3</sup> p</b>		[2]
		(ii)	pH 6	6 is, optimum / when enzyme 'works best' ;		
			ref to	o active site; o denaturation; A destroyed R 'killed' o substrate / hydrogen peroxide, fitting into, enzyme	e / active site ;	[max 3]
						[Total: 17]

## First variant Mark Scheme

Page 6	5	Mark Scheme	Syllabus	Paper	
		IGCSE – May/June 2008	0610	31	
ma bre	te tog ed tog	te them together, failure = suggests different sp ether, no offspring = suggests different species gether and see if any offspring are, sterile / infer ( / examine chromosomes ;	;	[max 1]	
(b) (i)	(b) (i) continuous ; A discrete				
(ii)	Equ	us grevyi ; A grevyi		[1]	
(c) (i)	pher	notype; <b>A</b> close phonetic spellings		[1]	
(ii)	<i>in Di</i> char in, D	e two points are linked – 'change' unqualified do NA' gets 2 marks nge / AW ; e.g. substitution / deletion / error in m NA / gene(s) / chromosome(s) ; nge in genotype / 'genetic, structure / genetic ma	neiosis	t 'change [2]	
(d) (i)	segr	skeleton / external skeleton ; nented / jointed, limbs / legs / appendages ; nented body ;		[max 1]	
(ii)	wing	e parts to the body / head + thorax + abdomen ; A sections / R segments is ; <i>ignore numbers of wings if given</i> pairs of, legs ;		[max 2]	
(e) (i)	less	es (on head and neck), become / are, horizonta attractive to (tsetse), flies / insects ; <b>A</b> AW amouflage in grass <b>;</b>	l (when feeding) ;	[2]	
(ii)	2 3 4 5 6	ref to mutation and number of stripes ; ref to number of stripes and likelihood of being k ref to, disease / death ; survivors breed ; ref to offspring ; (fewer stripes = less / more stri passing on advantageous, alleles / genes (for m natural selection / survival of fittest ;	pes = more)		
		R artificial selection		[max 3]	
				Total: 141	

[Total: 14]

Page 7	Mark Scheme	Syllabus	Paper
	IGCSE – May/June 2008	0610	31
provid provid A A in corr	ced diet es, sufficient energy / energy for needs ; es, molecules / materials, for metabolism / equivalen es, nutrients / named nutrients ; CPFVM H <sub>2</sub> O fibre minimum of any three named nutrients contains (all the) food, groups / types / classes <b>R</b> 's ect / right, quantities / proportions / amounts ; adequate / sufficient <b>R</b> 'equal'		
R 'bal	anced' as it is in the question		[max 2
(b) (i) <u>liv</u>	ver;		[
(ii) <u>a</u> l	ucose ; <b>R</b> if two compounds are given		[
· · · —	erobic ; arbon dioxide / water / no lactic acid, produced ;		
a	naerobic = 0 for the whole of (iii)		[
(c) dissol in plas	ved / in solution / soluble ; ma ;		[;

(d) mark name and function independently

### read the functions of **A** and **B** together before awarding marks

part	name of part	function
Α	glomerulus ; A knot of capillaries R capillaries	filtration / filtering (blood) ; A increase in (blood) pressure / ref to high pressure A 'substances forced out' R diffusion
В	capsule ; <b>R</b> cup	collects filtrate / allows filtration ;
C	tubule ; <i>distal is neutal</i> <b>R</b> nephron / tube	(selective) <u>re</u> absorption ; reabsorbs, water / glucose / salts / minerals / ions / amino acids ; <i>ignore</i> nutrients <b>A</b> description of reabsorption, e.g. active uptake of glucose absorption back into blood
D	collecting duct ;	(re)absorbs water / passes urine to pelvis <i>or</i> ureter ; <b>R</b> urea unless with water <b>A</b> waste substances

[8]

Page 8	Mark Scheme	Syllabus	Paper
	IGCSE – May/June 2008	0610	31

(e) (i) award two marks if correct answer (1699 / 1699.2 / 1700) is given award one mark if no answer or incorrect answer but correct working is shown

1.18 × 60 × 24 / 1.18 × 1440

1699 / 1699.2 / 1700 (dm<sup>3</sup>) ;;

- (ii) award two marks if
  - correct answer (0.1) is given
  - allow ecf from (e)(i) so check calculation

*if no answer or incorrect answer award one mark for dividing 1.7 by something and multiplied by 100* 

1.7 / 1700 × 100

0.1 (%) ;;

[2]

[2]

[Total: 20]

UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS International General Certificate of Secondary Education

# MARK SCHEME for the May/June 2008 question paper

# 0610 BIOLOGY

0610/32

Paper 32 (Extended Theory), maximum raw mark 80

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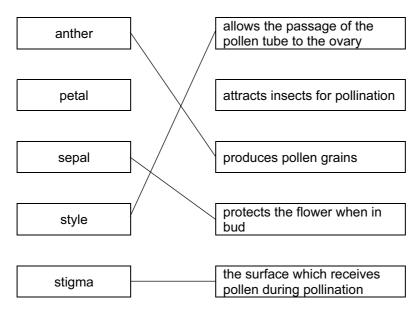


UNIVERSITY of CAMBRIDGE International Examinations

#### Second variant Mark Scheme

Page 2	Mark Scheme	Syllabus	Paper
	IGCSE – May/June 2008	0610	32

(a) reject lines to or from the same box, e.g. anther and petal to produce pollen grains
 A if lines do not touch box but meaning is clear



[4]

(b) assume answer is about stigma of wind-pollinated flower unless told otherwise, accept **ora**, 2 max for differences, 1 or 2 for significance

[2 max]

wind-pollinated stigma,

feathery / hairy ; **R** branched *ignore not sticky* large(r) ; **A** large surface area outside flower / AW ; **A** pendulous / exposed *ignore long and short*  insect-pollinated stigma

not, feathery / hairy ; *ignore sticky* small(er) ; **A** small surface area inside flower / AW ;

explanation

to catch pollen / AW ; **A** for pollen to attach (to stigma) increase chance of pollination *or* make pollination more likely / easier

'more likely to catch pollen' = 2 marks

- (c) 1 little / less / AW / no, <u>variation</u>; R cloning
  - 2 ref to becoming homozygous ; *ignore ref to gene*
  - e.g. of consequence 'good' or 'bad';
     e.g. less chance of adapting to changing conditions / less ability to evolve /
  - may become extinct / adapted variety spreads / AW;
  - 4 greater chance of pollination / ensures pollination occurs ;
    - A reproduction / fertilisation
  - 5 useful if no other plants (of same species) nearby;
  - 6 less wastage of pollen ; A gametes
  - 7 not dependent on (named) agent of pollination;

[max 3]

[max 3]

[Total: 10]

# Second variant Mark Scheme

	Daga 3	2	Mark Scheme	Syllabus	Danar	
	Page 3	0	IGCSE – May/June 2008	Syllabus 0610	Paper 32	
2	(a) (i)	<ul> <li>community / (all) organisms / animals and plants / (all) species / (all) popu components, (living together) in same, area / place / environment; R h many habitats;</li> <li>interacting / interdependent / AW ; A description of food chains / food web (together with / interacting with) abiotic / physical / non-living, factors / features ;</li> </ul>				
	(ii)	few grow ( <i>S. r</i> so le less plan aero less less dest	<pre>(native) animals in Namibia eat it; vs uncontrollably / AW; R reproduce quickly molesta has) flat leaves that grow over surface of water ess light penetrates to plants below; / no, photosynthesis; ts die and are decomposed by bacteria; bbic bacteria / bacteria use oxygen; oxygen for, animals; A organisms / ref to BOD R p must be linked to less photosynthesis / bacteria use food for, animals / herbivores; ruction of, food chains / food web; ; e.g. bacteria produce toxins</pre>	olants	[max 2] [max 4]	
	(b) (i)	cons <i>idea</i> herb	bicides (may), kill / harm, all / other, plants ; <b>R</b> organ sumer / beetle, will not eat all plants / specific to <i>S. n</i> <i>that</i> herbicides will disrupt, food chain / community bicides accumulate in food chain ; ts may develop resistance to herbicides ;	nolesta ;	[max 2]	
	(ii)	may (incr com <i>idea</i>	tralian beetle may have no (natural) predator ; eat other, plants / organisms ; ease in numbers and) cause damage to, crops / AW pete with other plant eaters ; <i>that</i> beetles disrupt, food chain / community / ecosy parison with any other example, e.g. cane toad ;		[max 2]	
	(c) (i)		naped curve ; ignore start at the origin / ignore death stationary phase may show fluctuations	phase	[1]	
	(ii)	lag ; log /	n label must be in correct place on curve exponential ; le / stationary / constant; <b>A</b> plateau / fluctuating / o	scillating	[3]	
	(iii)	spac	ce / grazing / (eaten by) beetles / (eaten by) herbivor	res / C. saliniae ;	[1]	

Page 4	Mark Scheme	Syllabus	Paper
	IGCSE – May/June 2008	0610	32

(iv)	magnesium and nitrate may score 2 marks each accept other named ions and correct reasons if candidate gives minerals and magnesium or nitrate - mark to max 2 competition must be qualified by one of these factors <b>R</b> 'limit growth' as in the question – <b>A</b> 'less growth' in correct context
	<pre>space ; A water in context of space (if not in (c)(iii)) no more wetlands to grow over / nowhere for new leaves to grow /</pre>
	grazing / eaten by herbivores ( <i>if not given in <b>(c)(iii)</b>)</i> ; reduces leaf area for photosynthesis / removes products of photosynthesis / AW ;
	light intensity <b>; A</b> amount of light / less light / limited light <b>R</b> light unqualified less energy trapped / for photosynthesis / AW <b>;</b>
	carbon dioxide, concentration / level ; A amount of $CO_2 \ R \ CO_2$ unqualified for photosynthesis ;
	temperature ; ref to, enzymes / growth / photosynthesis / rate of chemical reactions ;
	water ; A any appropriate function of water ; e.g. turgidity / transport / photosynthesis / growth
	minerals / nutrients / salts / ions ; ref to less growth ; <b>R</b> growth unqualified
	magnesium (ions) ; <i>idea that</i> lack restricts formation of <u>chlorophyll</u> ;
	nitrate (ions) / ammonium ions / ammonia <b>; R</b> nitrogen ref to less for making, amino acids / proteins / DNA / RNA / nucleic acids <b>;</b>
	iron (ions) ; for making <u>chlorophyll</u> ;
	salt; as <i>in increasing salinity of irrigated land</i> reduce water potential / make it difficult to absorb water ;
	disease ; removes products of photosynthesis / less (material for) growth / less reproduction / AW ; <b>A</b> plants die' [max 4]
	[Total: 19]

	Page 5		5	Mark Scheme Syllabus		Paper
				IGCSE – May/June 2008	0610	32
3	(a)	(i)	excr	retion;		[1]
		(ii)				
			bio-o	catalyst = 2 marks		[max 2]
	(b)	(i)	pH;			[1]
		(ii) temperature ; R heat ignore room size / mass / quantity / amount / surface area / type, of potato ;				
				me of hydrogen peroxide ; centration of hydrogen peroxide ;		
				mount' with respect to hydrogen peroxide fs to catalase / enzyme		[max 2]
	(c)	award two marks if correct answer (0.56 / 0.57 / 0.58) is given – may be in wh below the table if no answer or incorrect answer award one mark for correct working if 0.5 or 0.6 award one mark				te space
		10	divide	ed by 17.4		
		0.5	6 / 0.	57 / 0.58 ;;		[2]
	(d)	<ul> <li>(d) graph</li> <li>1 x-axis labelled pH;</li> <li>2 y-axis labelled – must have units rate (of oxygen production / of reaction), cm<sup>3</sup> min<sup>-1</sup> / cm<sup>3</sup> per min;</li> </ul>				
		3 4	cont all th	its all correct ; <b>A</b> <i>ecf from (c)</i> tinuous and clear line which may be either a curve ne points or straight lines between points line goes beyond plotted points	which may not go	through [4]
	(e)	(i)		ease in rate to (pH) 6 then decrease / reaches a pea rate given as a data quote, <b>with cm<sup>3</sup> min<sup>-1</sup> or cm</b> <sup>3</sup>		[2]
		(ii)	pH 6	6 is, optimum / when enzyme 'works best' ;		
			ref to	wing points may refer to optimum or sub-optimum o shape of enzyme ; o active site ;		
			ref to	o denaturation ; <b>A</b> destroyed <b>R</b> 'killed' o substrate / hydrogen peroxide, fitting into, enzyme	e / active site ;	[max 3]
						[Total: 17]

## Second variant Mark Scheme

Page 6		<b>i</b>	Mark Scheme Syllabus		Paper			
			IGCSE – May/June 2008 0610		32			
4 (a	<ul> <li>(a) try to mate them together, failure = suggests different species; mate together, no offspring = suggests different species; breed together and see if any offspring are, sterile / infertile; test DNA / examine chromosomes;</li> </ul>							
(b	) (i)	cont	inuous ; A discrete		[1]			
	(ii)	Equ	us grevyi ; A grevyi		[1]			
(c	) (i)	phei	notype ; <b>A</b> close phonetic spellings		[1]			
	(ii)	<i>in D</i> char in, D	e two points are linked – change unqualified does NA gets 2 marks nge / AW ; e.g. substitution / deletion / error in meios NA / gene(s) / chromosome(s) ; nge in genotype / genetic, structure / 'genetic make-	sis	t change [2]			
(d	) (i)	segr	skeleton / external skeleton ; mented / jointed, limbs / legs / appendages ; mented body ;		[max 1]			
	(ii)	wing	e parts to the body / head + thorax + abdomen ; A sections / R segments gs ; <i>ignore numbers of wings if given</i> g pairs of, legs ;		[max 2]			
(e	) (i)	less	es (on head and neck), become / are, horizontal (wh attractive to (tsetse), flies / insects ; amouflage in grass ;	nen feeding) ;	[2]			
	(ii)	2 3 4	ref to mutation and number of stripes ; ref to number of stripes and likelihood of being bitte ref to, disease / death ; survivors breed ; ref to offspring ; (fewer stripes = less / more stripes passing on advantageous, alleles / genes (for more natural selection / survival of fittest ;	= more)				
			R artificial selection		[max 3]			

[Total: 14]

Page 7		7	Mark Scheme	Syllabus	Paper	
			IGCSE – May/June 2008	0610	32	
	<ul> <li>(a) balanced diet         <pre>provides, sufficient energy / energy for needs ;         provides, molecules / materials, for metabolism / equivalent ; A substances         provides, nutrients / named nutrients ; CPFVM H<sub>2</sub>O fibre         A minimum of any three named nutrients         A contains (all the) food, groups / types / classes R 'substances'         in correct / right, quantities / proportions / amounts ;         A adequate / sufficient R 'equal'</pre> </li> </ul>					
	R '	baland	ced' as it is in the question		[max 2	
(	(b) (i)	liver	;		[1	
	(ii)	gluc	ose ; <b>R</b> if two compounds are given		[1	
	(iii)	<u>aero</u> carb	<u>bic</u> ; on dioxide / water / no lactic acid, produced ;			
		anae	erobic = 0 for the whole of <b>(iii)</b>		[2	
		solveo plasma	d / in solution / soluble ; a ;		[2	

(d) mark name and function independently

### read the functions of **A** and **B** together before awarding marks

part	name of part	function
Α	glomerulus ; A knot / bundle, of capillaries R capillaries	filtration / filtering (blood) ; A increase in (blood) pressure / ref to high pressure A 'substances forced out' R diffusion
В	capsule ; <b>R</b> cup	collects filtrate / allows filtration ;
C	tubule ; <i>distal is neutal</i> <b>R</b> nephron / tube	(selective) <u>re</u> absorption ; reabsorbs, water / glucose / salts / minerals / ions / amino acids ; <i>ignore</i> nutrients <b>A</b> description of reabsorption, e.g. active uptake of glucose absorption back into blood
D	collecting duct ;	(re)absorbs water / passes urine to pelvis <i>or</i> ureter ; <b>R</b> urea unless with water <b>A</b> waste substances

[8]

Page 8	Mark Scheme	Syllabus	Paper
	IGCSE – May/June 2008	0610	32

(e) (i) award two marks if correct answer (1699 / 1699.2 / 1700) is given award one mark if no answer or incorrect answer but correct working is shown

1.18 × 60 × 24 / 1.18 × 1440

1699 / 1699.2 / 1700 (dm<sup>3</sup>) ;;

- (ii) award two marks if
  - correct answer (0.1) is given
  - allow ecf from (e)(i) so check calculation

*if no answer or incorrect answer award one mark for dividing 1.7 by something and multiplied by 100* 

1.7 / 1700 × 100

0.1 (%) ;;

[2]

[2]

[Total: 20]