Question number	Answer	Marks
1 (a)	less surface; fewer / no stomata; (less) transpiration / evaporation / diffusion;	Max 2
(b)	obtain water; more area / eq; water at surface / before water evaporates / before water seeps into soil / eq; allow rain / dew	Max 2
(c)	less chance of being eaten/protection from animals /eq; allow if predator maintain still air / eq;	Max 1

Total 5 Marks

Question number	Answer		Marks
2	C O R M1 dioxide / M2 S1 and S2	vary pH / acid + alkali / eq; same species / mass / number / concentration / amount of yeast / eq; repeat each pH / eq; mass / number / bubbles / carbon alcohol / eq; time period stated; same temp / volume of water / same nutrients / conc. of nutrients / oxygen / eq;; Ignore light	Max 6

Total 6 Marks

Question number	Answer	Notes	Marks
3 (a) (i)	1. (fo web) order correct; 2. a arrows correct;	plant, hare, fox, cats and eagles need to be in correct order allow order only if in pyramid	2
(ii)	herbivore / primary consumer;		1
(b) (i)	young heather;		1
(ii)	1. re food / eq; 2. re nutritious food / eq; 3. sier to digest / softer / less spikes / eq; 4. f er other animals / competition from other herbivores; 5. mouflage / fewer predators / protection from predators / shelter from predators / hide in long grass;	2. ig re better quality / taste 4. ig re competition alone / intraspecific	3
(c)(i)	32;;	allow one for 224 ÷ 700	
(ii)	bilberry;		1

(d)	1. p ced at random; 2. me sized quadrat	ignore repeat	1

Total 11 marks

Question number	Answer	Notes	Marks
4 (a) (i)	deer;		1
(ii)	python;		1
(b) (i)	1. hear/listen to prey/predators / eq; 2. eat loss;	hear sound = 0	1
(ii)	camouflage / hide from prey/predators / eq;	ignore to keep warm	1
(iii)	see prey/predators/further / appear bigger / reach branches / climb trees / eq;	see alone = 0 ignore ideas about faster movement	1
(c)	1. idea of more carbon dioxide + less oxygen; 2. less) photosynthesis;	ignore carbon dioxide is not changed into oxygen	2

(Total for Question = 7 marks)