

General Certificate of Education

Health and Social Care 8621/8623

HC06

Mark Scheme

2008 examination – January series

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HCO6 JANUARY 2008 MARK SCHEME

1 (a) (i)Ref to: Nina suffering itching/burning/soreness/swelling/redness/discharge/inflammation or description					
Ignore irritation. Not pain/ra	sh/fever.		max 2 2 ma	arks	
1 (a) (ii)Athlete's foot/Ringworm (tir	nea) (1)		1 ma	ark	
1 (a) (iii)Bacteria (1) Viruses (1) Allo	ow parasites (1) max 2		2 ma	arks	
 1 (b) Examples (Bacteria): mening (Viruses): common cold, infl (Parasites): Head lice/scabies Allow other valid examples. 	uenza	a max 2 max 2 max 2			
Anow other value examples.			max 4 mar	rks	
1 (c) (i)Food/drink (1) breathing in/dr fluids (1) poor hygiene practi	•	ually transmitted max 2	/exchange of body 2 ma	arks	
1 (c) (ii)Ref to: cells/tissues being da organisms (1) nutrients AW t body's efforts at defence aga	taken from host cells/tissues	•	4 ma <u>Total 15 mar</u>		
2 (a) (i)Ref to Rick having: itching/swelling/sneezing/excess mucus secretion AW/breathing difficulties - asthma type symptoms/eye inflammation/stomach problems/diarrhoea					
NB: not red rash (in stem)		max 3	3 ma	arks	
2 (a) (ii)Ref to shellfish allergens (1): produce antibodies/immunog these attach to mast cells (1) the release of the histamine c	lobulins/IgE (1) in large am and basophils (1) which cor	nounts AW (1)		arks	
2 (a) (iii)Ref to Rick's first exposure released (1) therefore no sym antibodies AW made in large but no/little histamine release	ptoms caused (1) Allow hi amounts (1) attach to mast	gher level answe	rs re:	arks	

- (0)	Not dust/mould/grass.	max 3	3 marks		
			Total 15 marks		
3 (a) (i) Myopia (1)		1 mark		
3 (a) (ii)Ref to Albert can see near objects AW clearly/not distance AW (1) <u>plus</u> : due to eyeball shape AW (1) distance front to back greater than normal/too long (1) (for objects) light rays not focussed accurately on retina (1)		1 mark			
	actually focus in front of retina (1) lens too convex AW (1) may	x 3	3 marks		
3 (a) (iii)Ref to: infection/inflammation AW (1) of (conjunctive)/clear outer layer front of eye (1) 2 marks					
3 (b) (i	i)Ref to with increased age: sensorineural loss (1) of hair cells (1) cochlea/inner ear (1) loss of nerve cells/neurones (1) in brain (1) called presbyacusis (1) allow – wear/damage of bones in middle called ossicles (1) hammer/anvil/stirrup (1) vibrations affect ner messages AW (1) ear drum damage (1)	this is ear (1)			
	NB: Not hairs must be hair cells. Not hair follicles.				
		max 6	6 marks		
3 (b) (i	ii)Tinnitus (1) glue ear (1)		2 marks <u>Total 15 marks</u>		
4 (a) (i)Ref to: As increase age – generalised rashes decrease (1) very fer levels in 22-43 and 44+ age groups (1) allow generalised rashes localised rashes less in 22-43 cf under 21 (1) rise again in over 44+ (1) macular rashes less in 22-43 cf under 21 (1) rise again in over 44+ (1) pattern for localised rashes/macular rashes similar (1) suggests r rashes are macular (1) localised rashes much more common ther allow example e.g. nearly 5x under 21 (1) For higher level answers N.B. Macular rashes could be localised any ref calculating raised /papules/nodule rashes e.g. under 21-4 = 13 raised rashes Allow 1 most and 1 least mark only.	overall least (1) nany localised n generalised – l or generalised	less 33 macular		

2 (b) Ref to: pollen/animal dander/hair/fur or feathers/dust mites/spores

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 4 (a) (ii)1. Generalised rash – covers entire body/allow much of body (1) 2. Localised rash – covers only a small area (1) 3. Macular rash – not raised AW (1) but different colour/texture area (1) 	1 mark 1 mark 2 marks			
4 (b) (i)Ref to: vomiting/stomach pain/diarrhoea/raised temperature/sweating/headache max 2	2 marks			
 4 (b) (ii)Ref to infective – can be caught/passed to others by sufferer since infection or converse AW (1) Allow up to 2 examples – one of each type bacteria or named – salmonella/ virus or named – Norwalk 	1 mark			
chemical or named – fruit juice in zinc container				
toxic food or named – toadstools	2 marks			
Total 15 marks				
Paper Total	<u>60 marks</u>			