



**General Certificate of Education (A-level) Applied
January 2011**

Health and Social Care

HC06

**(Specification
8621/8623/8626/8627/8629)**

Unit 6: Common Diseases and Disorders

Final

Mark Scheme

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Question 1

Question	Part	Sub Part	Marking Guidance	Mark	Comments
1	01		Dwayne is likely to have a (painful) headache/fever/nausea AW – vomiting/drowsiness/stiff neck/dislike of bright lights AW Max 2	2	Rash does not disappear when pressed with a glass
1	02		Ref to infectious disease being caused by micro organisms/pathogens AW (1) which are parasites (1) live/multiply in the body causing symptoms (1) using food from us (1) max 3 May be spread by droplet infection AW/through food – drink/unprotected sex/exchange of bodily fluids AW/wounds in the skin/getting into the eyes/skin to skin contact. max 3	6	Physical contact needs qualifying
1	03		Any two of pneumonia/gonorrhoea/food poisoning AW/blood poisoning/skin infections	2	
1	04		Ref to problems caused by cell-tissue damage/taking nutrients AW from the body/causing body's defences to react max 2	2	
1	05		Ref to lifestyle choices may damage – reduce effectiveness of the immune system/allow example – poor diet – drug abuse/lifestyle increases exposure to harmful organisms/allow example – drug users sharing needles – poor hygiene practices/makes it easier for micro organisms to establish – reproduce in the body max 3	3	2 process marks plus 1 for effect.

Question 2

Question	Part	Sub Part	Marking Guidance	Mark	Comments
2	06		Animal dander is hair/fur/feathers (1) and skin cells (from animals) (1)	2	
2	07		Sophie is likely to have skin redness/itching/hives AW/runny nose/cough/wheezing/sneezing/watery-red eyes. max 3	3	
2	08		<p>Likely points will include: ref to animal dander being an allergen/sensitising Sophie on first exposure/second exposure and onwards causing an overreaction AW/due to allergen mistaken as harmful/absorbed by B-lymphocytes/initially/produces antibodies – immunoglobulins/attach to mast cells/and basophils/antibodies bind to allergen – animal dander/histamine released/causes symptoms</p> <p>Mark Ranges</p> <p>0 marks No response worthy of credit</p> <p>1-3 marks Probably only 1-3 points made, not reasoned or detailed. Answers vague and/or confused. There will be errors in spelling, punctuation and grammar.</p> <p>4-6 marks Likely to make 3 or more points with some reasoning of how the symptoms are caused. Answers are organised but lack precision. There may be errors in spelling, punctuation and grammar.</p> <p>7-8 marks Answers likely to cover at least five points, being reasoned logically and error free showing understanding. Answers are well structured with good spelling, punctuation and grammar throughout.</p>	8	
2	09		Any two of pollen/dust mites/mould – fungal spores/strawberries/eggs/shellfish/nuts	2	

Question 3

Question	Part	Sub Part	Marking Guidance	Mark	Comments
3	10		<p>Likely points are: ref to Robert suffering from presbyopia / due to the eye's lenses / losing elasticity / not able to become very convex AW / Robert will find close objects out of focus – unable to read without glasses / distance vision generally not affected</p> <p>Mark Ranges 0 marks No response worthy of credit</p> <p>1-2 marks Probably only 1-2 accurate points made, not reasoned and inaccurate e.g. confusion with myopia or hypermetropia. Answers vague and superficial. There will be errors in spelling, punctuation and grammar.</p> <p>3-4 marks Likely to make 3 or more accurate points, including the name of the condition, with some reasoning of how the effect is caused. Answers are organised but lack precision. There may be errors in spelling, punctuation and grammar.</p> <p>5-6 marks Answers likely to cover at least five accurate points including the name of the condition. Answer reasoned logically showing understanding. Answers are well structured with good spelling, punctuation and grammar throughout.</p>	6	
3	11		<p>Ref to Lisa has a build up of sticky fluid/fluid from mucus (1) in the middle ear (1) probably due to infection/allergies (1) blocking the Eustachian tube (1) ossicles – bones in middle ear AW (1) unable to vibrate effectively (1) reduces hearing – sounds muffled (1) max 6</p>	6	
3	12		<p>Ref to Lisa's rash as being in one small area of the body (localised) (1) spots not raised from skin level (1) but different colour – texture from normal skin (1)</p>	3	

Question 4

Question	Part	Sub Part	Marking Guidance	Mark	Comments
4	13		Females more concerned with oral hygiene – brush teeth/floss more often or vice versa. Females may visit dentist more often or vice versa. Allow – Females may have ‘stronger’ teeth – less prone to decay max 2	2	
4	14		Likely points will include: one or more extractions almost 2 x as common in males/similar numbers for abscesses / similar numbers of one or more fillings/gingivitis 3 x more common in females than abscesses/suggests gingivitis not developing into abscesses/whereas in males 3.5 x as common/fillings or extractions similar in males/gingivitis and extractions similar in females. max 5	5	Not just more/fewer points.
4	15		Ref to gum abscesses formed from advanced tooth decay AW/bacterial infection in gum/root – root canals/spreads inside and beneath the teeth in gum/causing redness – soreness – inflammation – swelling (abscess)	4	
4	16		Any one of dehydration/hangover/ prolonged travel/foods – chocolate – cheese – caffeine/stuffy atmosphere	1	
4	17		Ref to the meninges (1) scalp – blood vessels – muscles (1) under tension – stretched/tightened (1)	3	