

General Certificate of Education
January 2006
Advanced Subsidiary Examination



HEALTH AND SOCIAL CARE
Unit 6 Common Diseases and Disorders

HC06

Friday 27 January 2006 1.30 pm to 3.00 pm

For this paper you must have:

- an 8-page answer book

You may use a calculator.

Time allowed: 1 hour 30 minutes

Instructions

- Use blue or black ink or ball-point pen.
- Write the information required on the front of your answer book. The *Examining Body* for this paper is AQA. The *Paper Reference* is HC06.
- Answer **all** questions.
- Do all rough work in the answer book. Cross through any work you do not want marked.

Information

- The maximum mark for this paper is 60.
- The marks for questions are shown in brackets.
- You are reminded of the need for good English and clear presentation in your answers. Quality of Written Communication will be assessed in answers written in continuous prose.

Answer **all** questions.

Each question carries 15 marks.

1 Maria is 70 years old and has been healthy for much of her life. Over the last few years she has become progressively deaf. Recently she was very ill with pneumonia.

- (a) (i) Name one type of organism which causes pneumonia. *(1 mark)*
- (ii) What is pneumonia and what are the symptoms Maria may show? *(6 marks)*
- (b) Explain why individuals of Maria's age are vulnerable to pneumonia. *(3 marks)*
- (c) Explain why progressive deafness is common in the elderly. *(5 marks)*

2 Strawberries can be a food allergen for some individuals.

- (a) (i) Give two other common food allergens. *(2 marks)*
- (ii) Give two common airborne allergens. *(2 marks)*
- (b) A study of three allergens produced the following results.

Cause of allergy	Number of cases of allergic reactions
Allergen 1	150
Allergen 2	1005
Allergen 3	15

- (i) What conclusions can be drawn from the data? *(4 marks)*
- (ii) Explain how food allergens produce allergic symptoms in some individuals but not in others. *(7 marks)*

3 Wilson has not looked after his teeth, rarely brushing them. He is suffering from advanced tooth decay and has developed a gum abscess. He also has gingivitis.

- (a) What is gingivitis? *(3 marks)*
- (b) Explain how Wilson's tooth decay has occurred and how it has caused a gum abscess to form. You may include diagrams to help your answer. *(8 marks)*
- (c) Explain how flossing reduces the risk of tooth decay. *(4 marks)*

- 4 A survey of common diseases and disorders was carried out to obtain information about general health. Results were obtained from 120 people. They were grouped as follows: 30 males under 16 years, 30 males over 16 years, 30 females under 16 years and 30 females over 16 years.

Group	Numbers with common disease or disorder in last year			
	Skin rash	Spots	Food poisoning	Stress headaches
Males under 16 years	19	23	1	11
Females under 16 years	4	6	0	21
Males over 16 years	10	8	2	20
Females over 16 years	2	7	1	10

- (a) Draw conclusions from the data in the table about common diseases and disorders. *(9 marks)*
- (b) Give two common causes of headaches other than stress. *(2 marks)*
- (c) Blisters and scabs form on the skin when it is damaged. Explain what is meant by:
- (i) a blister; *(2 marks)*
- (ii) a scab. *(2 marks)*

END OF QUESTIONS

There are no questions printed on this page