

General Certificate of Education  
January 2009  
Advanced Subsidiary Examination



**HEALTH AND SOCIAL CARE**  
**Unit 6 Common Diseases and Disorders**

**HC06**

Thursday 15 January 2009 9.00 am to 10.30 am

**For this paper you must have:**

- an 8-page answer book.

Time allowed: 1 hour 30 minutes

**Instructions**

- Use black ink or black 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 to be marked.

**Information**

- The maximum mark for this paper is 60.
- The marks for questions are shown in brackets.
- You will be marked on your ability to use good English, to organise information clearly and to use specialist vocabulary where appropriate.

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Answer **all** questions.

There are 15 marks for each question.

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**1** Majid has pneumonia which is a disease caused by bacteria.

- (a) (i) Give **two** different symptoms of pneumonia that Majid is likely to have. *(2 marks)*
- (ii) Name **one** other disease caused by bacteria. *(1 mark)*
- (b) (i) Suggest **two** different ways in which bacteria can enter the body. *(2 marks)*
- (ii) Briefly outline **three** different ways in which organisms such as bacteria may cause disease symptoms. *(3 marks)*
- (c) Majid is also allergic to pollen in the air.
- (i) Explain how pollen causes an allergic reaction in Majid's body. *(5 marks)*
- (ii) Apart from pollen give **two** different examples of common airborne allergens. *(2 marks)*

**2** Adrian is an adult male who has hypermetropia and is also at risk of developing cataracts. As a young boy Adrian suffered badly with glue ear and tinnitus.

- (a) (i) With reference to the appropriate components of the eye, outline how hypermetropia is caused. *(3 marks)*
- (ii) Describe how Adrian's eyesight will be affected by hypermetropia. *(2 marks)*
- (b) With reference to the appropriate components of the eye, outline what is meant by cataracts. *(3 marks)*
- (c) With reference to the appropriate components of the ear, explain what is meant by
- (i) glue ear *(4 marks)*
- (ii) tinnitus. *(3 marks)*

- 3 A dental survey of one hundred 14–21 year olds and one hundred 22–29 year olds produced the results shown in the table below.

| Dental status                          | 14–21 year olds | 22–29 year olds |
|--|-----------------|-----------------|
| No fillings or extractions             | 5               | 2               |
| 1 or 2 fillings but no extractions     | 14              | 8               |
| 1 or 2 fillings and 1 or 2 extractions | 45              | 32              |
| 5 or more fillings and/or extractions  | 36              | 58              |

- (a) What conclusions can be drawn from the dental survey data? *(6 marks)*
- (b) With reference to the anatomy of teeth, explain how dental caries develop to cause toothache. *(6 marks)*
- (c) Explain how flossing reduces the risk of dental caries. *(3 marks)*
- 4 Rowena has some blackheads on her skin. She also has blisters on her heels from wearing a badly-fitting pair of shoes.
- (a) (i) Outline how blackheads form on the skin. *(4 marks)*
- (ii) What are blisters and how will the badly-fitting shoes have caused them to form? *(4 marks)*
- (b) (i) Explain what is meant by a generalised raised rash. *(2 marks)*
- (ii) Name **one** different type of rash. *(1 mark)*
- (c) (i) Name the **two** types of infective causes of food poisoning. *(2 marks)*
- (ii) Name **two** non-infective causes of food poisoning. *(2 marks)*

**END OF QUESTIONS**

**There are no questions printed on this page**