



General Certificate of Education
Advanced Subsidiary Examination
January 2011

Health and Social Care

HC06

Unit 6 Common Diseases and Disorders

Friday 14 January 2011 9.00 am to 10.30 am

For this paper you must have:

- an 12-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 your answer book. Cross through any work you do not want to be marked.

Information

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

Answer **all** questions.

There are 15 marks for each question.

Question 1

- 0 1** Dwayne is 17 years old. He recently needed treatment for bacterial meningitis which is an infectious disease. Describe **two** symptoms of bacterial meningitis that Dwayne is likely to have had. *(2 marks)*
- 0 2** Explain what is meant by an 'infectious disease'. Include in your answer **three** different ways infectious diseases may be spread. *(6 marks)*
- 0 3** Apart from meningitis, name **two** diseases caused by bacteria. *(2 marks)*
- 0 4** Bacteria can cause disease by releasing toxins into the body. Give **two** other ways bacteria may cause disease. *(2 marks)*
- 0 5** Briefly explain how a person's lifestyle may make them vulnerable to disease. *(3 marks)*

Question 2

Sophie is allergic to animal dander.

- 0 6** What is animal dander? *(2 marks)*
- 0 7** Give **three** allergic symptoms Sophie is likely to have. *(3 marks)*
- 0 8** Explain how animal dander will cause Sophie to have allergic symptoms. The quality of written communication will be assessed in this question. *(8 marks)*
- 0 9** Name **two** other common substances which cause allergic symptoms in some individuals. *(2 marks)*

Question 3

Robert is 45 years old. He has recently noticed that his eyesight has become worse. His optician tells Robert that this is normal for a person in middle age and he need not worry. Robert is also concerned that his five-year-old daughter Lisa has glue ear and a localised macular rash.

- 1 0** Explain, with reference to the appropriate components of the eye, the changes causing Robert's sight to deteriorate. Include in your answer the name given to this problem and the effects on Robert's sight.
The quality of written communication will be assessed in this question. (6 marks)
- 1 1** Explain, with reference to the appropriate components of the ear, what is meant by glue ear. Include in your answer how it will affect Lisa. (6 marks)
- 1 2** Briefly explain what is meant by a localised macular rash. (3 marks)

Question 4

A dental survey of 100 adult females and 100 adult males produced the data shown in this table.

Dental Problems	Number of Females	Number of Males
Gingivitis	15	29
Gum Abscesses	5	7
One or more fillings needed	22	24
One or more extractions needed	13	25

- 1 3** The data in the table above show that the females have fewer dental problems than the males. Suggest **two** possible reasons which may explain why females have fewer dental problems than males. (2 marks)
- 1 4** What other conclusions can be drawn from the data in the table above? (5 marks)
- 1 5** Explain how gum abscesses form. (4 marks)
- 1 6** Stress can cause headaches. Name **one** other common cause of headaches. (1 mark)
- 1 7** Outline how headaches cause pain. (3 marks)

END OF QUESTIONS

There are no questions printed on this page