

General Certificate of Education
January 2010
Advanced Subsidiary Examination



HEALTH AND SOCIAL CARE
Unit 6 Common Diseases and Disorders

HC06

Friday 15 January 2010 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.

Answer **all** questions.

There are 15 marks for each question.

1 Helen is 75 years old and has influenza. She recently needed treatment for thrush.

- (a) (i) What type of organism causes influenza? *(1 mark)*
- (ii) Give **three** symptoms of influenza Helen is likely to have. *(3 marks)*
- (iii) What type of organism causes thrush? *(1 mark)*
- (iv) Give **two** symptoms of thrush Helen may have had. *(2 marks)*
- (b) Helen's age may make her more vulnerable to infection than other people who are younger. Outline how **one** other factor makes some individuals more vulnerable to infection than others. *(3 marks)*
- (c) (i) State **three** different ways disease-causing organisms can enter the body. *(3 marks)*
- (ii) Immunisation is one preventive strategy to minimise risks of infection. Suggest **two** different preventive strategies. *(2 marks)*

2 A study of four common food allergens produced the results shown in the table below.

Food allergen	Reported cases of allergic symptoms 2006	Reported cases of allergic symptoms 2007
A	246	361
B	115	110
C	32	34
D	120	70

- (a) (i) What conclusions can be drawn from the data in the table above? *(7 marks)*
- (ii) Explain how food allergens produce allergic symptoms. *(6 marks)*
- (b) Give **two** common airborne allergens. *(2 marks)*

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- 3 Nina is an adult female who has myopia. She also suffers from tinnitus. At her last visit to the dentist Nina was advised to floss her teeth regularly to reduce the risk of dental caries.
- (a) (i) Briefly outline how Nina's eyesight will be affected by myopia. *(2 marks)*
- (ii) Explain, with reference to the appropriate components of the eye, how myopia is caused. *(3 marks)*
- (b) Explain, with reference to the appropriate components of the ear, what is meant by tinnitus. *(3 marks)*
- (c) (i) Outline what is meant by flossing. *(3 marks)*
- (ii) Explain how flossing will reduce the risk of Nina having dental caries. In your answer include how dental caries is caused. *(4 marks)*
- 4 Rick has a rash on his hands made up of flat spots. He also has a headache. Rick recently suffered from food poisoning. This happened suddenly six hours after he had eaten undercooked chicken.
- (a) (i) What type of rash does Rick have? *(2 marks)*
- (ii) Name **one** different type of rash. *(1 mark)*
- (b) (i) Outline how Rick's headache causes him pain. *(4 marks)*
- (ii) Suggest **three** common causes of headaches. *(3 marks)*
- (c) (i) What type of food poisoning did Rick suffer from? *(1 mark)*
- (ii) Give **two** symptoms of food poisoning Rick is likely to have had. *(2 marks)*
- (iii) Explain why Rick's food poisoning symptoms occurred six hours after eating the undercooked chicken rather than immediately. *(2 marks)*

END OF QUESTIONS

There are no questions printed on this page