

Surname					Other Names				
Centre Number					Candidate Number				
Candidate Signature									

For Examiner's Use

General Certificate of Education
Specimen Paper 2010

HEALTH AND SOCIAL CARE
Unit 14
Diagnosis and Treatment

HC14



<p>For this paper you must have:</p> <ul style="list-style-type: none"> a 12-page answer book.
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Time allowed: 2 Hours

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 HC14.
- 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 80.
- 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.

For Examiner's Use			
Question	Mark	Question	Mark
1		3	
2		4	
Total (Column 1)		→	
Total (Column 2)		→	
TOTAL			
Examiner's Initials			

<p>This specimen paper (based on HC14 – June 2008) has been modified to show how quality of written communication (QWC) and stretch and challenge will be incorporated into operational papers from January 2010.</p> <p>In this paper QWC is assessed in: questions 1(d) and 4 (b).</p> <p>There are no discrete marks for QWC and in the final answer QWC will be one of the criteria used to assign a mark. Please refer to the appropriate mark scheme.</p>
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ANSWER ALL QUESTIONS

There are 20 marks for each question.

- 1** Taking body temperature and testing reflexes can provide important information to help make provisional diagnoses of illness or disorder.
- (a) Outline a basic method for:
- (i) taking body temperature *(3 marks)*
 - (ii) testing reflexes. *(3 marks)*
- (b) Give three other common methods of physical examination used to diagnose illness or disorder. *(3 marks)*
- (c) Explain how a General Practitioner (GP) may use a computer to help diagnose illness. *(3 marks)*
- (d) Discuss the advantages and disadvantages of using contrast x-rays to diagnose digestive problems. In your answer, refer to **one** other imaging technique. *(8 marks)*



- 2 The following data on people with serious illnesses, diseases and disorders requiring hospital care as in-patients were recorded by a Trust Hospital.

Serious illnesses, diseases or disorders	Numbers of hospital in-patients	
	Male	Female
Circulatory disease	6490	5190
Coronary heart disease	2660	1490
Stroke	785	871
Diabetes	370	365
Cancers	6833	7067

- (a) What conclusions can be drawn from the data in the table?
(9 marks)
- (b) Lou has a suspected heart problem. He is sent for electrocardiography (ECG) to aid diagnosis.
- (i) Outline how electrocardiography is performed.
(4 marks)
- (ii) Briefly explain how Lou's heart dysfunction may be identified using electrocardiography.
(4 marks)
- (c) Describe with reference to a named example of a disease or disorder, one way a blood test can help diagnose illness.
(3 marks)



- 3** Drug manufacturers choose brand names for new drugs.
- (a) What are the other two types of name given to drugs?
(2 marks)
- (b) Some drugs are taken by mouth while other drugs are taken by different methods.
- (i) Give three different methods for administering drugs other than by mouth.
(3 marks)
- (ii) Give two different reasons why not all drugs are taken by mouth.
(2 marks)
- (iii) Outline two different reasons why a drug used to treat a particular illness may not be given to a patient who has that illness.
(2 marks)
- (c) Shona is in intensive care.
- (i) What is meant by intensive care?
(3 marks)
- (ii) Describe the basic principles of hospital nursing.
(6 marks)
- (d) Drinking plenty of fluids is one example of self-treatment. Give two different examples of common self-treatments.
(2 marks)
- 4** Following a tissue biopsy Rufus was diagnosed with cancer. He needs radiotherapy treatment.
- (a) (i) Outline what is meant by tissue biopsy.
(5 marks)
- (ii) Outline what is meant by radiotherapy and describe how it can be used to treat cancer.
(5 marks)
- (b) Discuss the advantages and disadvantages of giving patients choice in the medical treatment they receive. Refer to the case of Rufus in your answer.
(8 marks)
- (c) Suggest two different lifestyle choices that may reduce the effectiveness of medical treatment.
(2 marks)

END OF QUESTIONS

