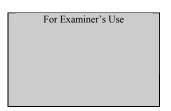
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Centre Number						Candidate	e Number				
Candidate Signature											



General Certificate of Education Specimen Paper 2010

# HEALTH AND SOCIAL CARE Unit 14

HC14



Diagnosis and Treatment

#### For this paper you must have:

• a 12-page answer book.

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 (Co	olumn 1)	-				
Total (Co	olumn 2)	<b></b>				
TOTAL						
Examine Initials	r's					

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.

In this paper QWC is assessed in: questions 1(d) and 4 (b).

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.



**HC14** 

### **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.
  - Outline a basic method for:
    - 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)

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	Numbers of hospital in-patients				
or disorders	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.
  - What are the other two types of name given to drugs?

(2 marks)

- 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.
  - What is meant by intensive care?

(3 marks)

(ii) Describe the basic principles of hospital nursing.

(6 marks)

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.
  - (i) Outline what is meant by tissue biopsy. (a)

(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**

