Centre Number			Candidate Number		
Surname					
Other Names					
Candidate Signature					



General Certificate of Education Advanced Level Examination Specimen Paper

Health and Social Care

HSC₁₀

Unit 10 Diagnosis, Treatment and Preventative Strategies

2012

You will need no other materials.

Time allowed

• 2 hours

Instructions

- · Use black ink or black ball-point pen.
- Fill in the boxes at the top of this page.
- Answer all questions.
- You must answer the questions in the space provided. Do not write outside the box around each page or on blank pages.
- Do all rough work in this book. Cross through any work that you do not want to be marked.
- If you need extra paper, use the Supplementary Answer Sheets.

Information

- The maximum mark for this paper is 80.
- The marks for questions are shown in brackets.

Version 1

For Examiner's Use				
Examiner's Initials				
Question	Mark			
1				
2				
3				
4				
TOTAL				

	Answer all questions in the spaces provided.
1	William went to see his GP with pains in his chest and slight breathlessness. He asked William a series of questions about the pain and how long he had been feeling unwell. He used palpation and a stethoscope to examine William's chest. He also took William's blood pressure. The GP decided that William should be sent for electrocardiography.
1 (a)	Briefly explain why the GP asked William some questions about the pain in his chest.
	(2 marks)
1 (b)	Describe how the GP would measure William's blood pressure. Include the scientific principles of this procedure in your answer.
	(7 marks)

1 (c)	Describe how the GP should use the stethoscope.
	(2 marks)
1 (d)	Explain how the use of the stethoscope will help the GP.
	(3 marks)
1 (e)	Explain how electrocardiography will be carried out and the scientific principles of its use.
	(6 marks)

The following data represent the combined results of the UK breast screening programmes for the year April 2009 to March 2012.

Screening Activity

	2008/09	2009/10	2008/09	2009/10
Age Range	50-70	50-70	45-74	45-74
Total number of women invited	2,642,511	2,662,298	2,702,876	2,754,885
Acceptance Rate	73.8%	73.5%	73.7%	73.3%
Number of women screened (invitation)	1,947,424	1,954,815	1,990,534	2,018,403
Number of women screened (self/GP referral)	44,070	43,410	87,661	84,467
Total number of women screened	1,991,494	1,998,225	2,078,195	2,102,870
Number of cancers detected	15,673	15,517	16,535	16,476

NHS Breast Screening Programme Annual Review 2011.

2 (a)	What conclusions can be drawn from the data in the table above? The quality of written communication will be assessed in this question.	
		(9 marks)

(b)	Joanne is a 50 year old woman and has been invited for her first mammogram.	
	Describe the procedure for a mammogram. Refer to the scientific principles in yanswer.	your
(c)	Name and describe two other adult screening tests.	(5 marks)
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3	Rachel, a nervous first-time mother has a son called Samuel who is due to have his first vaccinations. Two of the diseases he will be vaccinated against are diphtheria and tetanus.	
3 (a)	Identify the cause of diphtheria and tetanus and two modes of transmission for each.	
	(6 marks	 \$)
3 (b)	Describe the symptoms of diphtheria.	
	(4 marks	 s)
		-,
3 (c)	Rachel is worried about the side-effects of some vaccines and has a discussion with Natalie the practice nurse. Explain four possible side-effects that Natalie may discuss with Rachel.	
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	(4 marks	s)

Outline how					
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4(b)	Give the three different types of name for medical drugs.	
		(3 marks)
4 (c)	Discuss the ethical issues associated with treating individuals whose lifestyle m reduce the effectiveness of the treatments they receive. Refer to two lifestyle ch your answer. The quality of written communication will be assessed in this question.	
		·····
		(8 marks)

END OF QUESTIONS

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