

Surname	Centre Number	Candidate Number
Other Names		2



GCE AS/A level

1626/01

HEALTH AND SOCIAL CARE

Unit 6 – Understanding common illnesses, diseases and disorders

P.M. WEDNESDAY, 19 January 2011

1½ hours

For Examiner's use only	
1.	
2.	
3.	
4.	
Total	

INSTRUCTIONS TO CANDIDATES

Use black ink or black ball-point pen. Do not use pencil or gel pen. Do not use correction fluid.

Write your name, centre number and candidate number in the spaces at the top of this page.

Answer **all** questions.

Write your answers in the spaces provided in this booklet.

INFORMATION FOR CANDIDATES

Each question carries 25 marks.

The number of marks is given in brackets at the end of each question or part-question.

You are reminded of the need for good English and orderly, clear presentation in your answers. Assessment will take into account the quality of written communication used in your answers.



J A N 1 1 1 6 2 6 0 1 0 1

Answer **all** questions in the spaces provided.

1. Study the pie charts opposite. The segments titled coronary artery disease (CAD), stroke and other cardiovascular diseases (CVD) represent the percentages of **all** deaths, in 2002 that were attributable to cardio vascular disease.

(a) (i) State the percentage of women under 75 that died from **all** cardiovascular diseases. [1]

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(ii) State the percentage of men under 75 that died from **all** cardiovascular diseases. [1]

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(iii) What is the difference between men and women in the percentage of death from all CVD? [1]

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(iv) Which of the three CVD segments in the pie charts contributes most to this difference? [1]

(b) Outline how coronary artery disease (CAD) develops. [4]

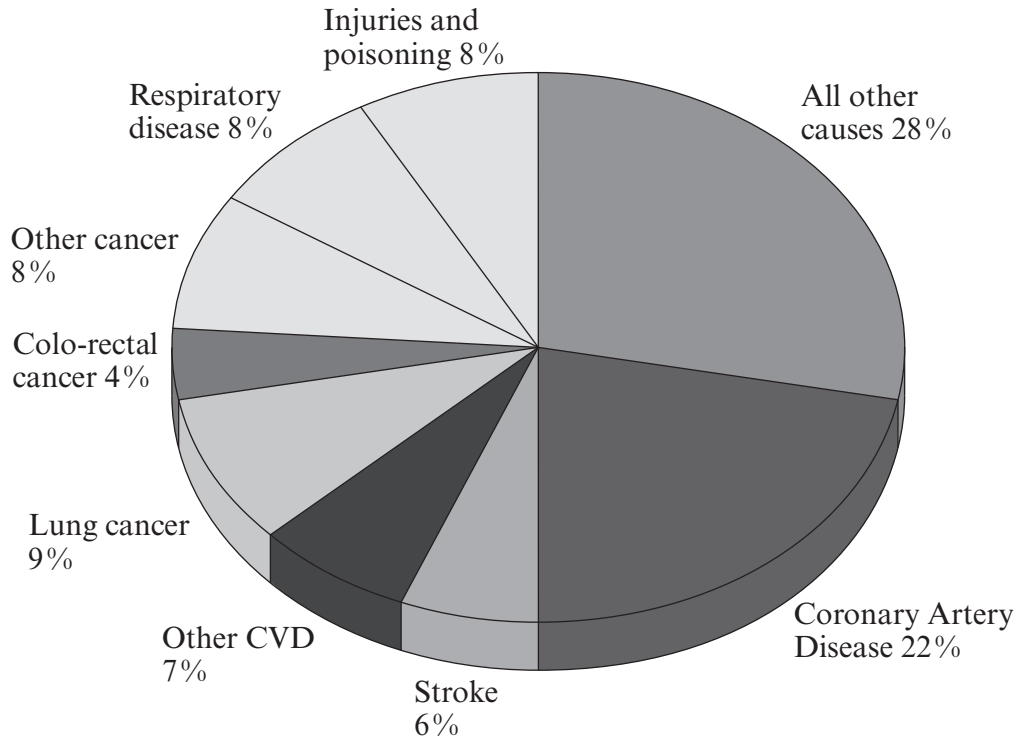
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(c) Explain the lifestyle factors which may increase the likelihood of CAD. [6]

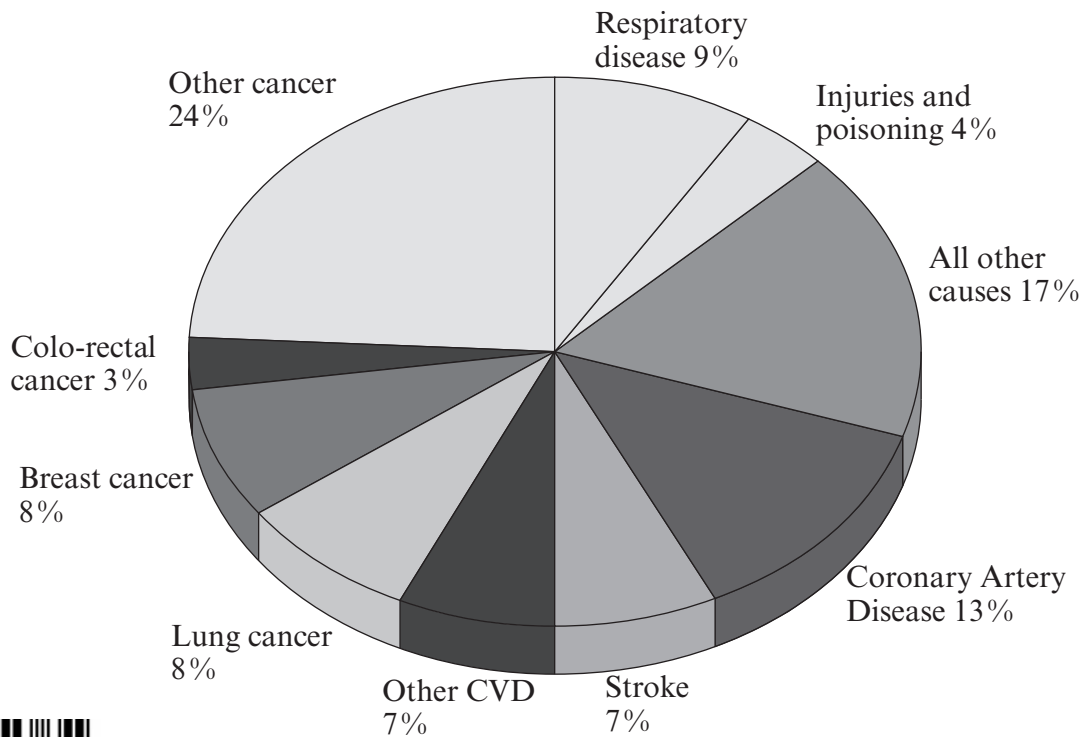
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Deaths by cause, men under 75, 2002, United Kingdom



Deaths by cause, women under 75, 2002, United Kingdom



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(d) Explain how variations in lifestyle could account for the difference in deaths due to CAD between men and women. [4]

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(e) Discuss the strategies used to minimise deaths due to CAD, and in particular how men could be targeted. [7]

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2. (a) Fungi are one type of micro-organism that cause infectious disease.

(i) Describe, or draw a labelled diagram of, the main features of a fungal cell. [4]

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(ii) Name a fungal disease. [1]

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(iii) Describe how an individual may become infected by a named fungal disease. [3]

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(iv) Discuss how personal hygiene and lifestyle choices can help to combat a named fungal disease. [6]

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(b) The immune system is one of the body's defences against infectious disease. Explain each of the following terms:

(i) Natural active immunity [3]

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(ii) Natural passive immunity [3]

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(iii) Artificial active immunity [3]

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(iv) Artificial passive immunity [2]

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3. (a) Ultrasound scanning is one type of antenatal screening that may be offered to pregnant women.

(i) Describe how an ultrasound scanning test is carried out on a pregnant woman. [4]

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(ii) Describe the information which can be obtained from an ultrasound scan. [3]

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(iii) Discuss why some parents may not wish to be made aware of all of the information that an ultrasound scan can provide. [3]

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(b) Amniocentesis is another type of antenatal screening that may be offered to pregnant women.

(i) Describe how amniocentesis is carried out. [4]

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(ii) Explain why amniocentesis is only offered to a limited number of women. [4]

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(c) Discuss the benefits of life time screening programs;

(i) to individuals

[4]

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(ii) to society as a whole

[3]

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4. There are a number of categories of illness, disease and disorder.

(a) (i) Explain what is meant by the term '*deficiency disease*'.

[3]

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(ii) Give **two** examples of deficiency diseases, and state what is deficient in each case.

[4]

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(b) (i) Explain what is meant by the term '*mental disorder*'. [3]

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(ii) Describe the key features of a named mental disorder. [3]

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(c) Explain what is meant by the concept of a social/lifestyle disease or disorder. [2]

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For continuation only

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