

ADVANCED GCE

HEALTH AND SOCIAL CARE

Unit 12: Anatomy and Physiology in Practice

F921



Candidates answer on the Question Paper

OCR Supplied Materials:

None

Other Materials Required:

None

Thursday 28 January 2010**Afternoon****Duration: 1 hour 30 minutes**

Candidate Forename					Candidate Surname				
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Centre Number						Candidate Number			
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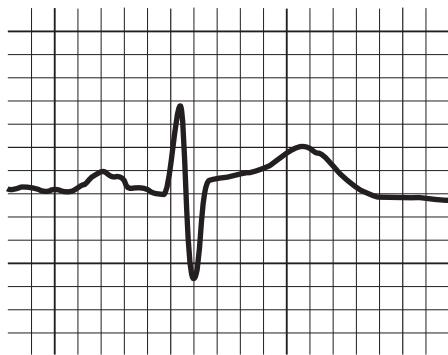
INSTRUCTIONS TO CANDIDATES

- Write your name clearly in capital letters, your Centre Number and Candidate Number in the boxes above.
- Use black ink. Pencil may be used for graphs and diagrams only.
- Read each question carefully and make sure that you know what you have to do before starting your answer.
- Answer **all** the questions.
- Do **not** write in the bar codes.
- Write your answer to each question in the space provided, however additional paper may be used if necessary.

INFORMATION FOR CANDIDATES

- The number of marks is given in brackets [] at the end of each question or part question.
- The total number of marks for this paper is **100**.
- You will be awarded marks for the quality of written communication where an answer requires a piece of extended writing.
- This document consists of **12** pages. Any blank pages are indicated.

1



- (a)** The diagram shows a normal ECG trace. Indicate on the diagram with the appropriate letter where the following occur.

A The P wave (contraction of the atria)
B The QRS complex (contraction of the ventricles)
C The T wave (the relaxation of the ventricles)

[3]

- (b) Describe the flow of blood through the heart and the valves that it passes through starting at the vena cava and finishing at the aorta.

[8]

[8]

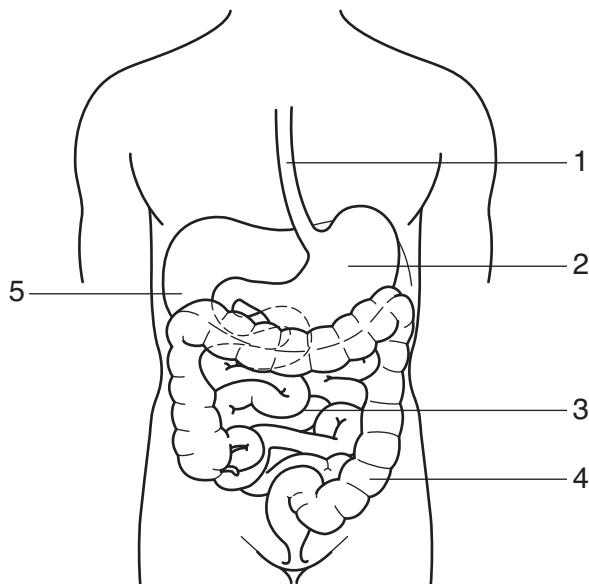
- (c) Explain the possible physiological and emotional effects of a cardiovascular dysfunction that you have studied.

[9]

[9]

[Total]: 201

2

**Digestive System**

- (a) Name each of the structures labelled 1 – 5 in the diagram.

- 1
- 2
- 3
- 4
- 5 [5]

- (b) Using a digestive dysfunction that you have studied describe its physiological effects. Describe how an individual's daily routines and lifestyle could be affected by having this dysfunction.

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..... [9]

- (c) Describe how the dysfunction that you have chosen can be treated.

..... [6]

[Total: 20]

- 3 (a) Identify **one** dysfunction of the musculo-skeletal system that you have studied.

[1]

- (b) Identify the one possible cause of the dysfunction and describe how it can be diagnosed.

- [5]

- (c) Describe the effects of the dysfunction on the lifestyle of an individual.

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[9]

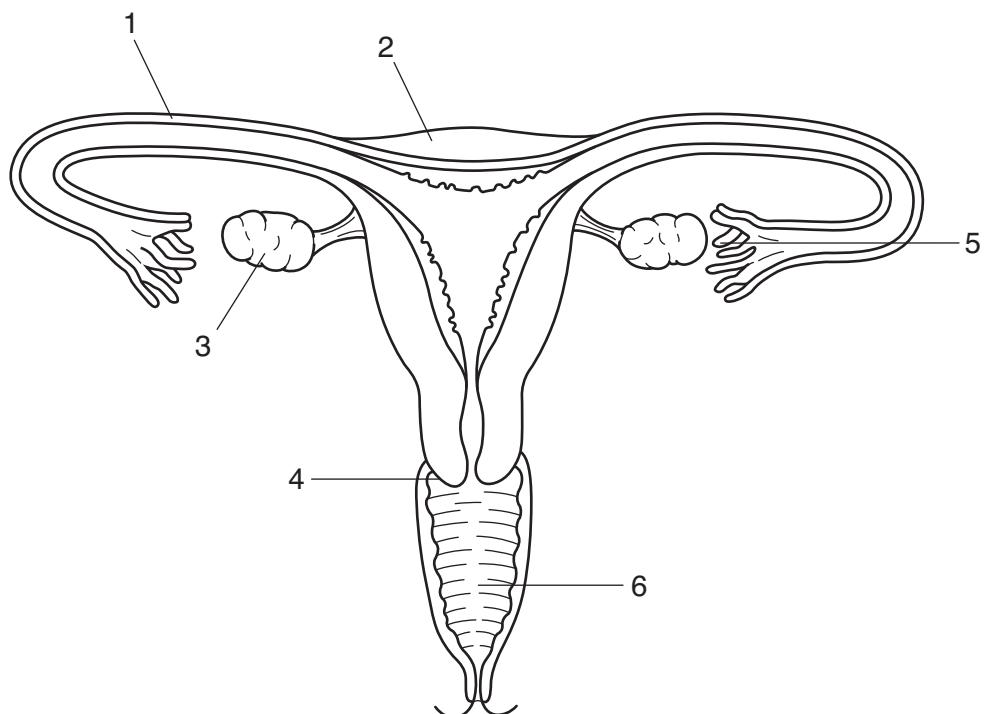
- (d) Describe how the dysfunction that you have chosen would be treated.

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[5]

[Total: 20]

4

**Female Reproductive System**

- (a) Name each of the structures labelled 1 – 6 in the diagram.

- 1
- 2
- 3
- 4
- 5
- 6 [6]

- (b) Describe **one** dysfunction of the female reproductive system.

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[6]

10

- (c) Describe how the chosen dysfunction could be diagnosed and treated.

. [8]

[Total: 20]

- 5** Explain the possible causes of a named renal dysfunction that you have studied and describe the effects on the individual and their lifestyle.

. [20]

[Total: 20]



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