

<b>Candidate Forename</b>		<b>Candidate Surname</b>	
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<b>Centre Number</b>						<b>Candidate Number</b>				
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**OXFORD CAMBRIDGE AND RSA EXAMINATIONS  
ADVANCED GCE**

**F921**

**HEALTH AND SOCIAL CARE**

**Unit 12: Anatomy and Physiology in Practice**

**THURSDAY 28 JANUARY 2010: Afternoon**

**DURATION: 1 hour 30 minutes**

**SUITABLE FOR VISUALLY IMPAIRED CANDIDATES**

**Candidates answer on the Question Paper**

**OCR SUPPLIED MATERIALS:**

**None**

**OTHER MATERIALS REQUIRED:**

**None**

**READ INSTRUCTIONS OVERLEAF**

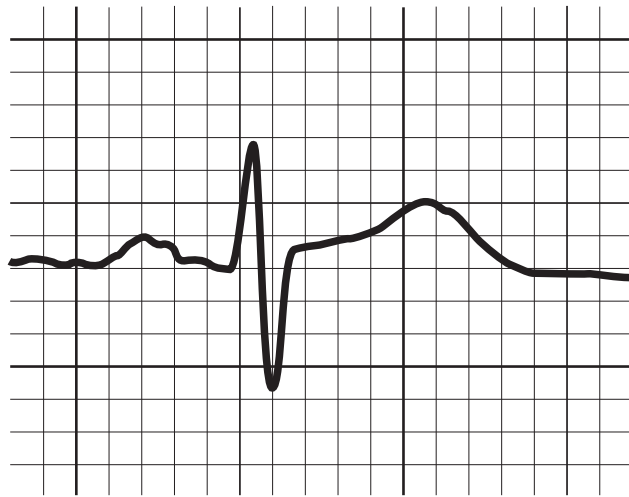
## **INSTRUCTIONS TO CANDIDATES**

- **Write your name clearly in capital letters, your Centre Number and Candidate Number in the boxes on the first page.**
- **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.**
- **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.**

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**(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.**

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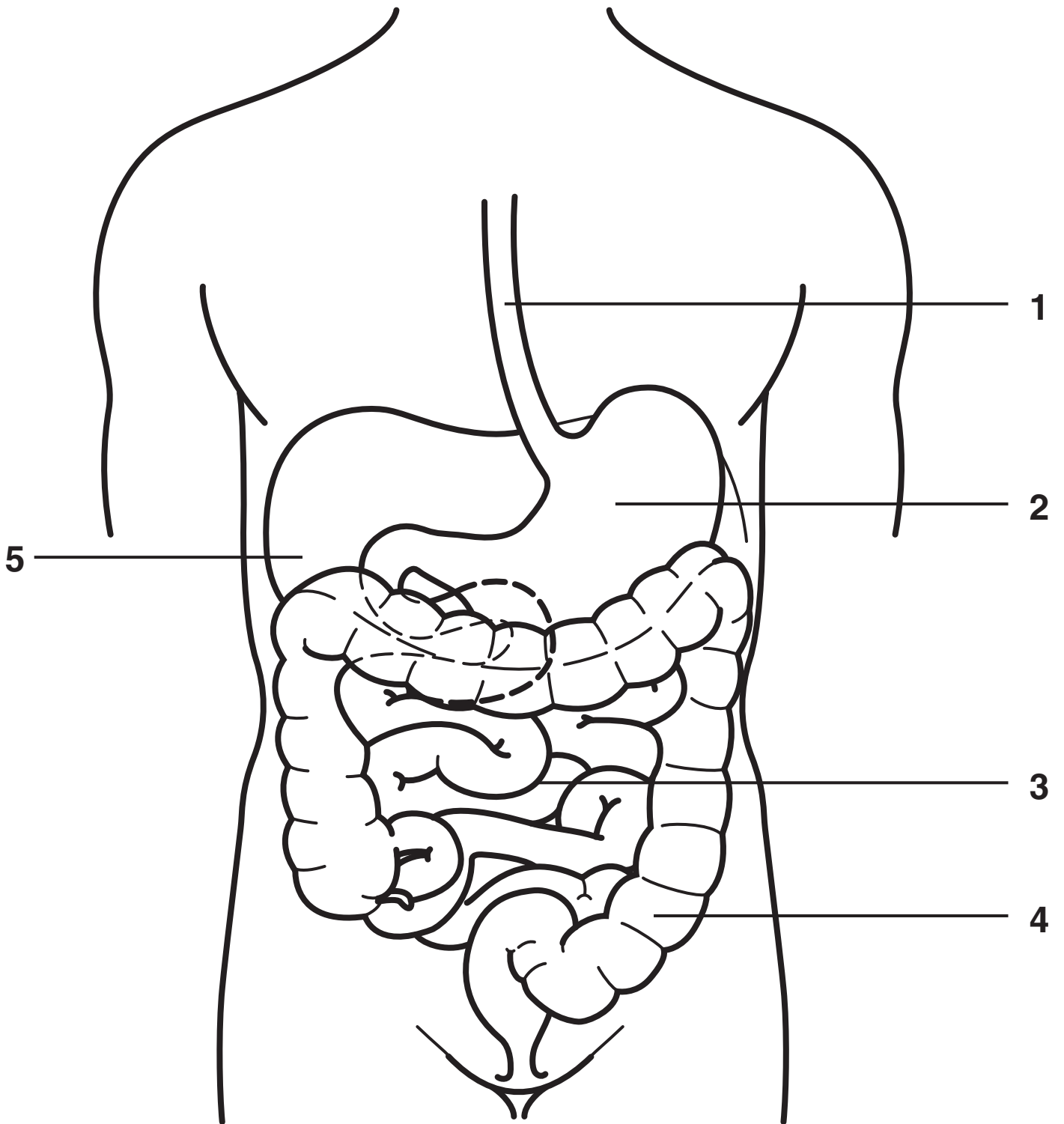
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[9]

**[Total: 20]**

# 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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**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.**

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\_\_\_\_\_ [5]

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

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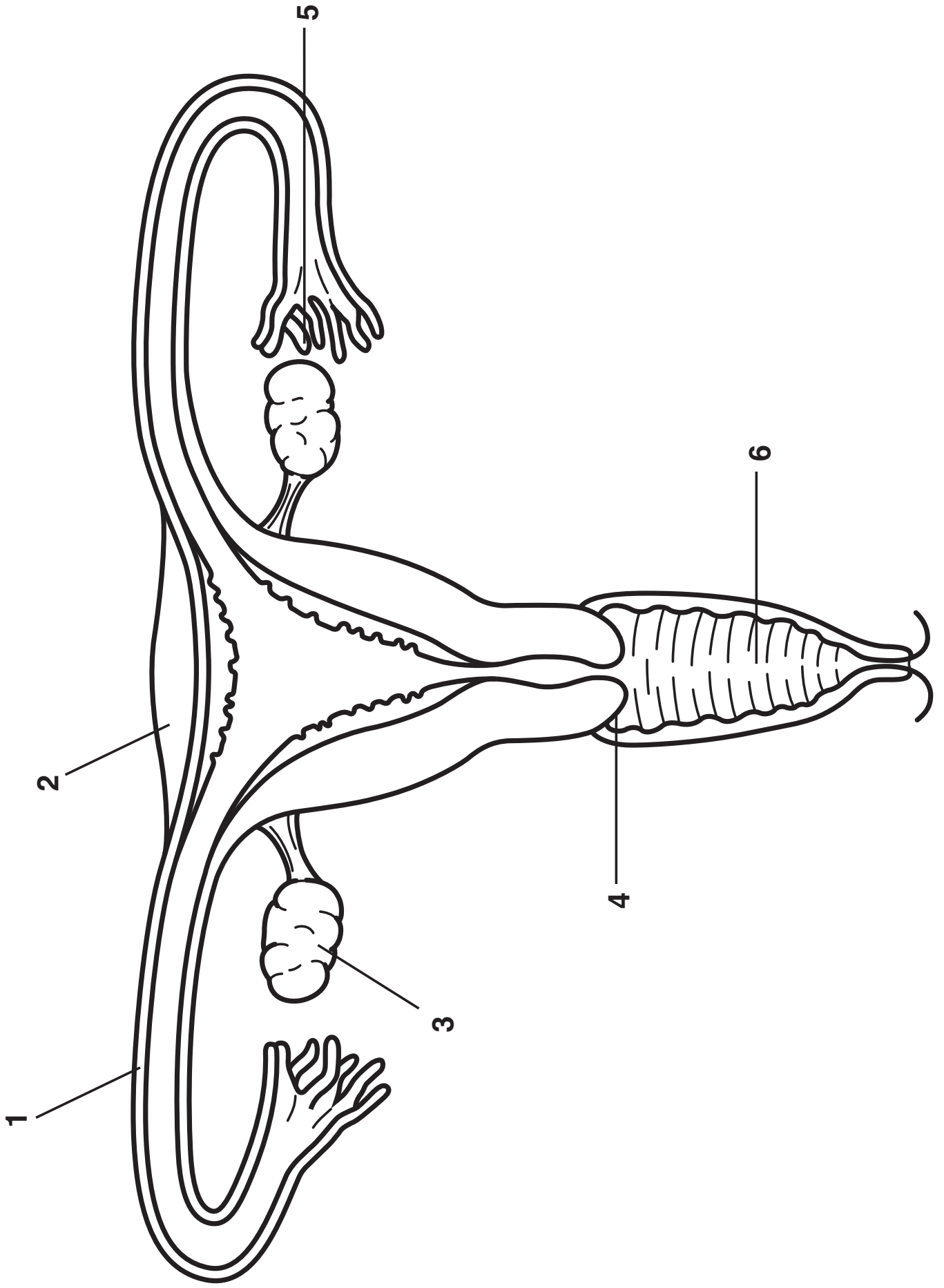
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[9]



# Female Reproductive System





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

**1** \_\_\_\_\_

**2** \_\_\_\_\_

**3** \_\_\_\_\_

**4** \_\_\_\_\_

**5** \_\_\_\_\_

**6** \_\_\_\_\_ **[6]**











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