

**OCR**

Oxford Cambridge and RSA

**Level 3 Cambridge Technical in Health and Social Care****05831/05832/05833****Unit 4: Anatomy and physiology for health and social care****16 January 2017 – Morning****Time allowed: 2 hours****You must have:**

- none

**You may use:**

- none

<b>First Name</b>						<b>Last Name</b>					
<b>Centre Number</b>						<b>Candidate Number</b>					
<b>Date of Birth</b>											

**INSTRUCTIONS**

- Use black ink.
- Complete the boxes above with your name, centre number, candidate number and date of birth.
- Answer **all** the questions.
- Write your answer to each question in the space provided.
- If additional space is required, you should use the lined page(s) at the end of this booklet. The question number(s) must be clearly shown.

**INFORMATION**

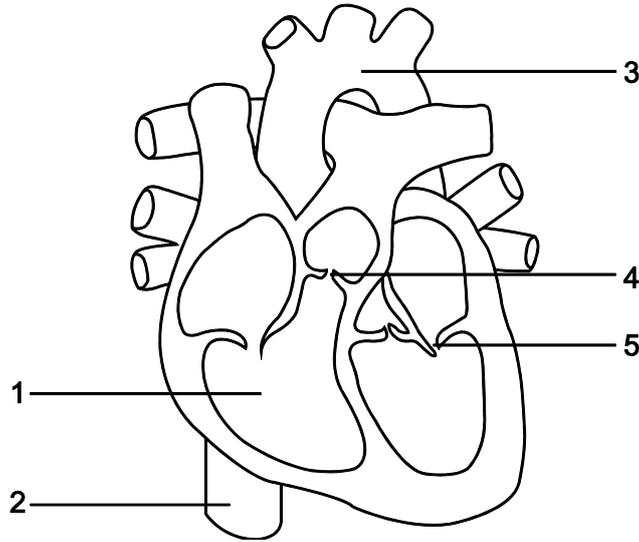
- The total mark for this paper is **100**.
- The marks for each question are shown in brackets [ ].
- Quality of extended responses will be assessed in questions marked with an asterisk (\*).
- This document consists of **16** pages.

<b>FOR EXAMINER USE ONLY</b>	
<b>Question No</b>	<b>Mark</b>
1	/13
2	/15
3	/19
4	/26
5	/27
<b>Total</b>	<b>/100</b>

Answer **all** questions.

1

**The Human Heart**



**(a)** Identify **one** key function for each of the structures labelled 1-5 in the diagram above.

- 1.....  
.....
- 2.....  
.....
- 3.....  
.....
- 4.....  
.....
- 5.....  
.....

**[5]**

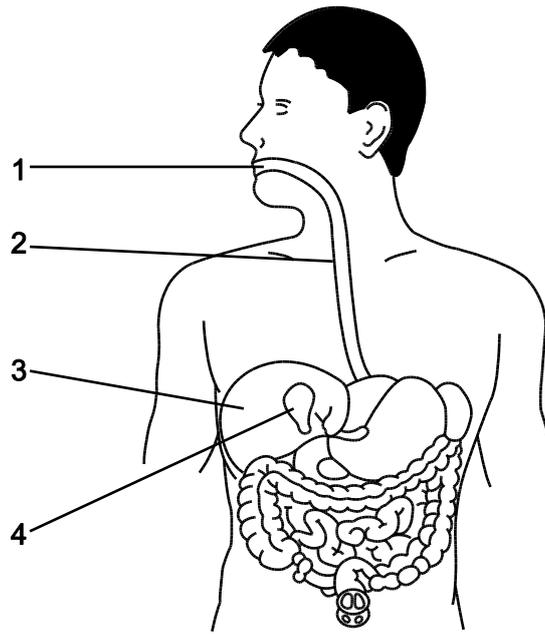






3

### Digestive System



(a) Identify **one** digestive function of each part of the digestive system labelled 1-4 in the diagram above.

1.....

.....

2.....

.....

3.....

.....

4.....

.....

[4]



**(d)** Bernard has cirrhosis of the liver.

Describe what is meant by the term 'cirrhosis of the liver'.

.....  
.....  
.....  
..... [2]

**(e)** Excessive consumption of alcohol is normally the cause of liver cirrhosis.

Identify what a healthy liver does to alcohol.

.....  
..... [1]

**(f)** Alcohol also affects the cerebellum of the brain.

**(i)** Identify the function of the cerebellum.

.....  
..... [1]

**(ii)** Describe the effect of alcohol on the cerebellum.

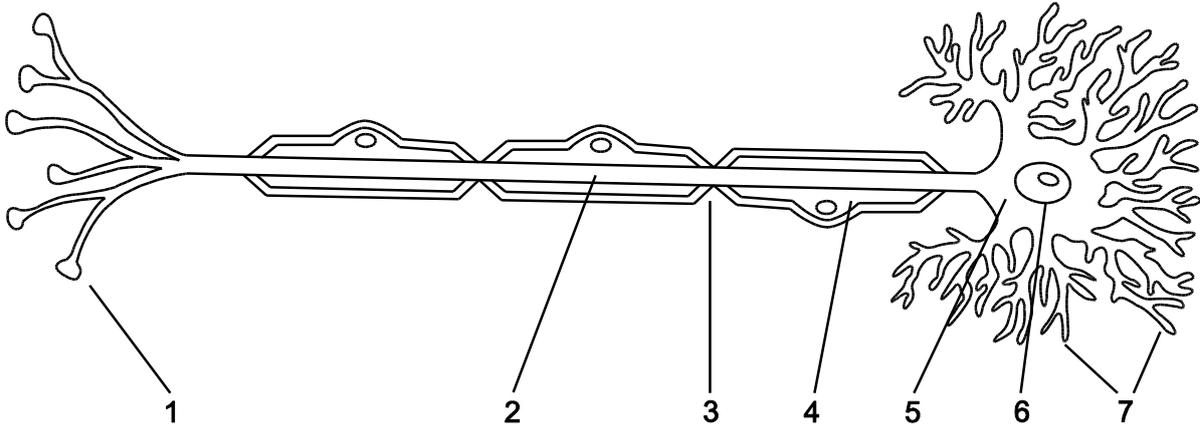
.....  
..... [1]







5 Diagram of a nerve cell (neuron).



(a) (i) Identify the structures labelled 1-7 on the diagram above.

1.....  
.....  
.....

2.....  
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3.....  
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6.....  
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7.....  
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[7]

(ii) Explain the function of the structure shown by number 1 on the diagram above.

.....  
.....  
.....  
.....

[2]







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