



NCFE CACHE Level 3 Extended Diploma in Health and Social Care (Adults) (Northern Ireland) (603/5355/7)

NCFE CACHE Technical Level 3 Extended Diploma in Health and Social Care (601/8435/8)

Unit title: Anatomy and physiology for health and social care

Assessment code: HSCNI/SAE
Paper number: Past Paper

Tuesday 17 May 2022

9.00 am–10.30 am

Time allowed: 1 hour 30 minutes

Learner instructions

- Use black or blue ink. If you write your answers in pencil they will not be marked.
- Answer **all** questions.
- Read the scenario and each question carefully.
- You must write your responses in the spaces provided.
- You may do rough work in this answer book. Cross through any work you do not wish to be marked.
- All of the work you submit **must** be your own.

Learner information

- The marks available for each question are shown in brackets.
- The maximum mark for this paper is 80.

Please complete the details below clearly and in **BLOCK CAPITALS**.

Learner name _____

Centre name _____

Learner number

Centre number

To be completed by the Examiner			
Question	Mark	Question	Mark
1 (a)		3 (a)	
1 (b)		3 (b)	
1 (c)		3 (c)	
1 (d)		3 (d)	
1(e)		4 (a)	
2 (a)		4 (b)	
2 (b)		4 (c)	
2 (c)		4 (d)	
2 (d)		4 (e)	
TOTAL MARK			

Do not turn over until the invigilator tells you to do so.

Section A

This section has a possible 20 marks.

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

1 (a) Which **one (1)** of the following is an invasive site for measuring a person's temperature?

[1 mark]

- A Ear
- B Forehead
- C Oral
- D Rectal

Answer _____

1 (b) Occasionally, physiological measurements may be a cause for concern.

Identify **three (3)** appropriate people that should be informed when physiological measurements are a cause for concern **and** explain the importance of informing people.

[6 marks]

1 _____

2 _____

3 _____

Explanation _____

1 (c) Explain the process of thermoregulation.

[6 marks]

Question 1 continues on the next page.

1 (d) Name **three (3)** hormones produced by the pituitary gland. **[3 marks]**

1 _____
2 _____
3 _____

1 (e) Identify the structure that produces the major female reproductive hormones **and** explain the function of this structure. **[4 marks]**

Structure _____
Explanation _____

Section B

This section has a possible 20 marks.

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

Scenario

Ayesha is 35 years old and is employed as a teacher in a primary school. Ayesha has recently been diagnosed with multiple sclerosis (MS). As a symptom of her MS, Ayesha experiences issues with her vision.

2 (a) Which **one (1)** of the following is a type of neuron?

[1 mark]

- A Sensory
- B Somatic
- C Sympathetic
- D Synaptic

Answer _____

Question 2 continues on the next page.

2 (c) Identify the component of the peripheral nervous system responsible for voluntary movement **and** explain the function of this component. **[4 marks]**

Component _____

Explanation _____

2 (d) Describe the structure of the spinal cord.

[3 marks]

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Section C

This section has a possible 20 marks.

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

Scenario

George is 15 years old and attends secondary school. George was diagnosed with asthma when he was 5 years old, and this can sometimes affect his ability to play sports.

3 (a) Identify **three (3)** common symptoms of asthma **and** briefly describe **one (1)** of these symptoms.

[4 marks]

1 _____

2 _____

3 _____

Brief description _____

Question 3 continues on the next page.

3 (b)

Discuss the possible effects of asthma on George's wellbeing.

[9 marks]

DO NOT WRITE IN THIS SPACE

3(c) Identify the **three (3)** structures of the respiratory system that are found between the mouth and the trachea. **[3 marks]**

1 _____

2 _____

3 _____

3(d) Identify **three (3)** functions of the respiratory system **and** briefly explain **one (1)** of these functions. **[4 marks]**

1 _____

2 _____

3 _____

Brief explanation _____

Please turn over for the next section

Section D

This section has a possible 20 marks.

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

4 (a) Explain the role of enzymes in chemical digestion.

[6 marks]

DO NOT WRITE IN THIS SPACE

4 (b) Chemical digestion is one type of digestion.

Identify the **other** type of digestion.

[1 mark]

4 (c) Identify **three (3)** organs of the alimentary canal **and** describe the function of **one (1)** of these organs.

[5 marks]

1 _____

2 _____

3 _____

Description _____

Question 4 continues on the next page.

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4 (d) Identify **and** describe the process that allows food to move through the digestive tract. **[3 marks]**

Process _____

Description _____

4 (e) Identify **three (3)** structures in the urinary (excretory) system **and** explain the function of **one (1)** of these structures. **[5 marks]**

1 _____

2 _____

3 _____

Explanation _____

This is the end of the external assessment.

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