

# **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.

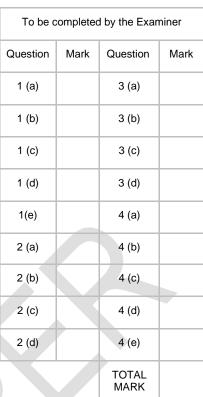
#### Learner information

- 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	

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.

	9	oonono mi mio opasoo provideoni	
1 (a)	Which <b>one (1)</b> of the following is an invasive site for measuring a person's temperature?  [1 mark		
	Α	Ear	
	В	Forehead	
	С	Oral	
	D	Rectal	
	Ans	swer	
1 (b)	Oc	ccasionally, physiological measurements may be a cause for concern.	
	me	lentify <b>three (3)</b> appropriate people that should be informed when phys easurements are a cause for concern <b>and</b> explain the importance of ineople.	
	Po		[6 marks]
	1		
	2		
	3		
	Ex	xplanation	

Explain the process of them	[6 n

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.

5

2 (b)	Discuss the possible effects of multiple sclerosis (MS) on Ayesha's wellbeing. [12 marks]
	[12 marks]

Identify the component of the peripheral nervous system responsible for voluntar movement and explain the function of this component.  [4 marks:    Explanation	Component		
Component	movement <b>and</b> explain the function of this component.  [4 marks  Component		
Component	Component		
		(c)	Identify the component of the peripheral nervous system responsible for voluntar movement <b>and</b> explain the function of this component.  [4 marks
Explanation	Explanation		Component
			Explanation

2 (d)

[3 marks]	Describe the structure of the spinal cord.

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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.

Identify <b>thre</b> these sympt	ee (3) common symptoms of asthma and briefly describe one (1)
triese sympt	[4 m
1	
2	
3	
<u> </u>	

Question 3 continues on the next page.

3 (b)	Discuss the possible effects of asthma on George's wellbeing.  [9 marks]

Identify th	e three (3) structures of the respiratory system that are found
	and the trachea.
1	
2	
_	
Identify <b>th</b>	etions.
Identify <b>th</b> these fund	ree (3) functions of the respiratory system and briefly explain etions.
Identify <b>th</b> these fund	etions.
Identify <b>th</b> these fund	etions.
Identify <b>th</b> these fund	etions.
Identify <b>th</b> these fund	etions.

Please turn over for the next section

### **Section D**

This section has a possible 20 marks.

Answer all questions in the spaces provided.

(a)	Explain the role of enzymes in chemical digestion.  [6 m	arks]

4 (b)	Chemical digestion is one type of digestion.
	Identify the <b>other</b> 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.

4 (d)	Identify <b>and</b> 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 <b>one (1)</b> of these structures. [5 marks]
	1
	2
	3
	Explanation

This is the end of the external assessment.

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