

NCFE

CACHE

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**

Time allowed: **1 hour 30 minutes**

Paper number: **Past Paper**

Time: **9.00am – 10.30am**

Assessment date: **Wednesday 18 January 2023**

Learner instructions

- Use black or blue ink.
- Answer **all** questions.
- Read 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.
- If you use a supplementary answer booklet, you must add your learner name, learner number and centre number to the front cover of the booklet. Insert your supplementary answer booklet inside this question paper at the end of your test.
- 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.

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

Please complete / check your details below

Learner Name:

Centre Name:

Learner Number:

Centre Number:



Section A

This section has a possible 20 marks.

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

- 1 (a)** Which **one (1)** of the following pieces of equipment would be used to measure oxygen saturation?

[1 mark]

- A Pulse oximeter
- B Sphygmomanometer
- C Thermometer
- D Watch

Answer _____

- 1 (b)** The mouth / nose, pharynx and epiglottis are structures of the respiratory system.

Identify **three (3) other** structures of the respiratory system **and** explain the function of **one (1)** of these structures.

[5 marks]

1 _____

2 _____

3 _____

Explanation _____



1 (d) Changes in health, care planning and assisting diagnosis are three reasons for the accurate and timely recording of information.

Identify **two (2) other** reasons **and** explain **one (1)** of these reasons.

[4 marks]

1 _____

2 _____

Explanation

1 (e) Stress and medication are factors that can affect physiological measurements.

Name **four (4) other** factors that can affect physiological measurements.

[4 marks]

1 _____

2 _____

3 _____

4 _____

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2 (b) One type of digestion is mechanical.

Identify the **other** type of digestion.

[1 mark]

2 (c) Name **two (2)** digestive enzymes **and** describe **one (1)** of these enzymes.

[4 marks]

1

2

Description

2 (d) Identify **and** explain the structure **and / or** function of **one (1)** section of the small intestine.

[3 marks]



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Section C

This section has a possible 20 marks.

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

Scenario

Emily is a 42-year-old nurse who works in a busy Accident and Emergency department. She has recently started to feel pain in her joints, particularly in her knees. Following hospital investigations, she has been diagnosed with arthritis.

- 3 (a)** Discuss the possible impact of arthritis on Emily's social and emotional wellbeing. **[9 marks]**

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3 (b) The axial skeleton is one of two parts of the skeletal system.
Identify the **other** part of the skeletal system **and** describe it.

[4 marks]

Identification _____

Description _____



3 (c) Name **one (1)** long bone in the leg **and** explain the structure **and / or** function of long bones.

[4 marks]

Long bone _____

Explanation _____

3 (d) Storage of calcium and production of blood cells are two functions of the skeletal system.

Identify **three (3)** other functions of the skeletal system.

[3 marks]

1 _____

2 _____

3 _____

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Section D

This section has a possible 20 marks.

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

4 (a) Which **one (1)** of the following organs of the body produces insulin?

[1 mark]

- A Kidney
- B Lung
- C Pancreas
- D Spleen

Answer _____

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4 (b) Explain the process of osmoregulation.

[6 marks]

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4 (c) Identify **two (2)** functions of chemoreceptors **and** explain **one (1)** of these functions.

[4 marks]

1 _____

2 _____

Explanation _____

4 (d) When the external temperature reduces, thermoregulation is used to keep the body warm.

Identify **three (3)** mechanisms that are used to keep the body warm **and** explain the function of **one (1)** of these mechanisms.

[5 marks]

1 _____

2 _____

3 _____

Explanation _____



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4 (e) The failure of thermoregulation has two possible effects.

Name the **two (2)** possible effects of a failure in thermoregulation **and** describe the symptoms of **one (1)** of these effects on the human body.

[4 marks]

1 _____

2 _____

Description _____

This is the end of the external assessment.

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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	

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