



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

Unit 04 Anatomy and physiology for health and social care

Assessment code: **Sample**

Paper number: **Sample**

Date 00/00/00

Time 00.00 am – 00.00 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)(i)		4 (d)	
2 (c)(ii)			
			TOTAL MARK

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

This section has a possible 20 marks.

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

- 1 (a)** Which **one** of the following pieces of equipment would a health care worker use to measure blood pressure?

[1 mark]

- A** Spirometer
- B** Sphygmomanometer
- C** Stethoscope
- D** Stadiometer

Answer

- 1 (b)** Explain the procedure a health care worker must follow when a service user's blood pressure reading is 160/100mmHg.

[6 marks]

[illegible]

1 (c) It is important to gain consent prior to obtaining physiological measurements.

Name **three (3)** types of consent **and** explain the importance of gaining consent prior to obtaining physiological measurements.

[6 marks]

1

2

3

Explanation

1 (d) Blood is made up of **four (4)** components.

White Blood Cells	Platelets
	Red blood cells

Which **one (1)** of the following is the fourth component?

[1 mark]

- A** Epithelial cells
- B** Neurons

C Plasma

D Lymph

Answer _____

- 1 (e)** Explain the function of white blood cells (leucocytes) within the immune system. **[6 marks]**

DO NOT WRITE IN THIS SPACE

SAMPLE

Section B

This section has a possible 20 marks.

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

Scenario

Jack is 68 years old and lives alone. Jack is experiencing age-related health problems for which he is receiving treatment. One of Jack's health complaints is arthritis in his legs and hips.

2 (a) There are two common types of arthritis.

Identify the **two (2)** types of arthritis **and** explain **one (1)** of these types of arthritis.

[4 marks]

1

2

Explanation

Question 2 continues on the next page.

2 (b)

Discuss the likely effects of arthritis on Jack's wellbeing.

[12 marks]

Handwriting practice lines for the answer to question 2 (b).

2 (c) (i) The following are both examples of what type of joint?

- Ball and socket.
- Hinge and pivot.

[1 mark]

2 (c) (ii) The type of joint identified in 2(c)(i) contains a fluid.

Identify this fluid **and** explain how it improves mobility.

[3 mark]

Fluid

Explanation

Section C

This section has a possible 20 marks.

Answer **all** questions in the spaces provided

- 3 (a)** There are four non-invasive sites in the human body where a temperature can be taken.

Identify the **four (4)** non-invasive sites.

[4 marks]

1

2

3

4

- 3 (b)** The homeostatic mechanism of thermoregulation controls body temperature.

Identify **three (3) other** homeostatic mechanisms **and** briefly describe each one of these mechanisms.

[6 marks]

1

Description

2

Description

3

Description

3 (c)

Discuss the effects that ageing has on an individual's physiological measurements.

[4 marks]

APLE

DO NOT WRITE IN THIS SPACE

3 (d)

Age and increased levels of activity can affect an individual's physiological measurements.

Identify **four (4) other** factors that can affect an individual's physiological measurements **and** explain how **one (1)** of these factors may affect body temperature.

[6 marks]

1

2

3

4

Explanation

Section D

This section has a possible 20 marks.

Answer **all** questions in the spaces provided

Scenario

Safia is 64 years old and was experiencing chest pains so was admitted to hospital for tests. The results showed that Safia has cardiovascular disease.

4 (a) Identify the **four (4)** main types of cardiovascular disease.

[4 marks]

1

2

3

4

4 (b) Analyse how cardiovascular disease may affect Safia's wellbeing.

[9 marks]

DO NOT WRITE IN THIS SPACE

Please turn over for the next question.

4 (c) Pulmonary circulation is one of the two circulatory pathways.

Identify and describe the **other** circulatory pathway.

[3 marks]

Pathway

Description

4 (d) Explain how the structure of arteries assists blood flow in the body.

[4 marks]

This is the end of the external assessment.

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