



**L-Università
ta' Malta**

MATRICULATION AND SECONDARY EDUCATION CERTIFICATE
EXAMINATIONS BOARD

**SECONDARY EDUCATION CERTIFICATE LEVEL
2023 MAIN SESSION**

SUBJECT:	Health and Social Care
PAPER NUMBER:	Controlled – Unit 2
DATE:	16 th May 2022
TIME:	10:00 a.m. to 11:35 a.m.

**THIS PAPER SHOULD BE RETURNED TO THE INVIGILATOR
AFTER THE EXAMINATION.**

Name of candidate _____

I.D. number _____

School _____

Class _____

Answer **ALL** questions in the space provided.

SECTION A: HUMAN ANATOMY & PHYSIOLOGY

Scenario:

- Gregory has started working as a health worker within the general hospital.
- He wanted to prepare himself better for this new job.
- He decided to review some of his past notes to be better prepared.

Question 1

C-1 (6 marks)

a. The main systems in our body interact with one another. Outline how the circulatory (cardiovascular) and respiratory systems interact.

(2)

b. By making reference to the different organs involved, describe in more depth the relationship between circulatory (cardiovascular) and respiratory systems.

(2)

c. During one of his shifts Gregory meets a person who was out of breath after rushing to hospital. Explain how the circulatory (cardiovascular) and respiratory systems interact with each other whilst this person is running.

(2)

Question 2

K-4 (4 marks)

a. Gregory needs to take the vital signs of a patient. Provide **ONE** sign/symptom when the vital signs mentioned below are outside the normal range.

Blood Pressure: _____ (0.25)

Temperature: _____ (0.25)

Pulse: _____ (0.25)

Breathing rate: _____ (0.25)

- b. • Gregory made sure that the room was at the right room temperature before taking the vital signs of his patient.
• Afterwards, he asked the patient in and took his personal details.
• He also asked him if he practiced any sport and told him to sit down and take some time to rest.
• Gregory patiently explained the process to make sure that the patient remains calm.

From the case scenario above, identify a consideration that must be taken before measuring the vital signs below:

Blood Pressure: _____ (0.25)

Temperature: _____ (0.25)

Pulse: _____ (0.25)

Breathing rate: _____ (0.25)

c. Indicate **ONE** underlying factor that influences the reading of the below vital signs.

High Blood Pressure: _____ (0.5)

Low body temperature: _____ (0.5)

Slow heart beat: _____ (0.5)

Irregular Breathing: _____ (0.5)

Please turn the page.

SECTION B: HEALTH & SAFETY

Question 3

K-5 (4 marks)

- a. Gregory decided he wants to keep an eye on any possible hazards that may be present. List **FOUR** different types of hazards that might be found in a hospital.

Hazard 1: _____ (0.25)

Hazard 2: _____ (0.25)

Hazard 3: _____ (0.25)

Hazard 4: _____ (0.25)

- b. Describe **TWO** types of hazards listed in Question 3a mentioning **ONE** associated risk for **EACH**.

Description 1: _____

 _____ (0.5)

Description 2: _____

 _____ (0.5)

- c. Identify by circling, **EIGHT** safety measures, that one needs to keep in mind when designing a Child Care Centre.





Costumes	Needles	Fire door	Scissors
Fire extinguishers	Crayons	Unbreakable glasses	Christmas decorations
Trunking for wires	Sanitizer	Soft mats on floor	Cupboard locks
Continuous staff training	Cat food	Sharp items	Medication

(2)

Question 4

K-6 (4 marks)

a. Next to **EACH** sign, write down whether the sign shows a Prohibited, Safe Condition, Mandatory or Warning sign.

<p>i.</p>  <p>(green rectangle with white text/picture)</p>	
<p>ii.</p>  <p>(yellow triangle)</p>	
<p>iii.</p>  <p>(blue circle with white picture)</p>	
<p>iv.</p>  <p>(red disk with red diagonal line)</p>	

(Source: google.com.mt)

(1)

This question continues on next page.

Question 6

K-9 (4 marks)

a. Look at the picture below. Identify **FIVE** different items that are required in a first aid box.



(Source: www.istockphoto.com/)

- Item 1: _____ (0.2)
- Item 2: _____ (0.2)
- Item 3: _____ (0.2)
- Item 4: _____ (0.2)
- Item 5: _____ (0.2)

b. Outline the function of each of the items identified in question 6a.

- Item 1: _____ (0.2)
- Item 2: _____ (0.2)
- Item 3: _____ (0.2)
- Item 4: _____ (0.2)
- Item 5: _____ (0.2)

c. In the car accident, there is a young mother who is crying with pain in her arm. Her child tried to come out of the car and fell. Gregory notices that another passenger is bleeding from the forehead, is unconscious lying on the rear seat.

From the scenario above identify **FOUR** situations why Gregory needs to ask help from a health care professional in this emergency scenario.

(2)

Question 8

C-5 (6 marks)

a. Some other individuals stop to see how they can help. Identify **FOUR** different roles that they can assume in this emergency situation.

- i. _____ (0.5)
- ii. _____ (0.5)
- iii. _____ (0.5)
- iv. _____ (0.5)

b. Whilst helping in the car accident, one of the helpers cut his hand slightly with some broken glass. Describe the correct procedure required to treat a minor cut.

(2)

This question continues on next page.

