



**L-Università
ta' Malta**

MATRICULATION AND SECONDARY EDUCATION CERTIFICATE
EXAMINATIONS BOARD

**SECONDARY EDUCATION CERTIFICATE LEVEL
2022 MAIN SESSION**

SUBJECT:	Health and Social Care
PAPER NUMBER:	Controlled – Unit 2
DATE:	18 th May 2021
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:

- As a Health and Social Care student, it is important that you have a good idea of the human anatomy.
- Knowing about human anatomy helps one prepare for a future job in the Health and Social Care field.

Question 1

C-1 (6 marks)

a. The main systems in our body interact with one another. Outline how the following systems interact.

i. Cardiovascular/Circulatory and respiratory systems:

(1)

ii. Musculoskeletal and nervous systems:

(1)

b. Describe in more depth the relationship between the below systems by making sure to refer to the different organs involved.

i. Cardiovascular/Circulatory and respiratory systems:

(1)

ii. Musculoskeletal and nervous systems:

(1)

c. Kieran is an athlete who loves cycling tournaments.

Explain how the circulatory/cardiovascular and respiratory systems interact with each other whilst Kieran is doing his exercise.

(2)

Question 2

K-4 (4 marks)

a. Provide **ONE** sign/symptom when the vital signs below are outside the normal range.

Blood Pressure: _____ (0.25)

Temperature: _____ (0.25)

Pulse: _____ (0.25)

Breathing rate: _____ (0.25)

This question continues on next page.

b. Identify a consideration that must be taken before measuring the below vital signs.

ensure individual is at rest	asking the patient if he usually coughs
assess the most adequate place from where to take the reading	check if patient has cuts
settle patient down and reassure him/her	ask individual whether s/he is an athlete or not

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)

SECTION B: HEALTH & SAFETY

Question 3

K-5 (4 marks)

a. List **FOUR** different types of hazards that might be found in a Health and Social Care environments.

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 **EIGHT** safety measures to keep in mind when designing a Child Care Centre.

big carpet	first aid box	fitted carpet	table	chairs
table corner protectors	low electrical sockets	covers for sockets	board games	
cupboard locks	unbreakable glasses	glass bottles	sanitizer	small toys
	locked cupboard	scissors	table cloth	

_____ (2)

Please turn the page.

Question 4

K-10 (4 marks)

a. Outline **TWO** reasons why it is important to work in a team during an emergency.

Reason 1:

(0.5)

Reason 2:

(0.5)

b. State the **FIVE** pieces of information needed when calling for help in an emergency situation.

i. _____ (0.2)

ii. _____ (0.2)

iii. _____ (0.2)

iv. _____ (0.2)

v. _____ (0.2)

c. Identify **FOUR** emergency situations that might require someone to ask help from a health care professional.

cardiac arrest	small cuts	choking		
sprain of a ligament	unconsciousness	cough	ankle twist	falls

(2)

Question 5

C-5 (6 marks)

- A group of five friends went out for a walk to the valley.
- Two of them were First Aiders.
- Deep in the valley they saw an unconscious woman lying on the ground.
- Next to unconscious woman, there was a young girl who had some minor cuts.

a. Identify the **FOUR** different roles that these friends could assume in this emergency situation.

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

b. One of the friends wanted to help the young girl with her minor cuts. Describe the correct procedure required to treat the girl.

(2)

This question continues on next page.

