



**L-Università
ta' Malta**

MATRICULATION AND SECONDARY EDUCATION CERTIFICATE
EXAMINATIONS BOARD

**SECONDARY EDUCATION CERTIFICATE LEVEL
2022 SUPPLEMENTARY SESSION**

SUBJECT: **Health and Social Care**
PAPER NUMBER: Synoptic – Unit 2
DATE: 1st November 2022
TIME: 5:30 p.m. to 7:35 p.m.

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

For examiners' use only:

Question	1	2	3	4	5	6	7	8	Total
Score									
Maximum	6	8	12	8	8	8	8	12	70

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

Section A:

- Petra is a nurse within a residence for persons who need long term care.
- She is employed to take care of any medical needs the residents may have.
- She may need to refer to the anatomy of the human body to understand the care they need.

Question 1

K-2 (6 marks)

a. List **FOUR** main systems of the human body.

Main System 1: _____ (0.5)

Main System 2: _____ (0.5)

Main System 3: _____ (0.5)

Main System 4: _____ (0.5)

b. Identify from the list below, **ONE** organ for **EACH** main system you listed in a.

Bones	Lungs	Pancreas	Heart	Stomach	Kidneys	Brain	Ovaries
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Main System 1: _____

Organ: _____ (0.5)

Main System 2: _____

Organ: _____ (0.5)

Main System 3: _____

Organ: _____ (0.5)

Main System 4: _____

Organ: _____ (0.5)

c. Outline **TWO** main systems of the human body. Make sure to mention their main function.

_____ (2)

6

Question 2

K-3 (8 marks)

a. Apart from blood pressure and body temperature, name **TWO** other vital signs of the human body.

Vital sign 1: _____ (1)

Vital sign 2: _____ (1)

b. Determine the normal range of the following vital signs of an adult.

Blood Pressure: _____

Normal Range: _____ (1)

Body temperature: _____

Normal Range: _____ (1)

c. Below are the readings of an adult and an older adult. Interpret whether these signs are High/ Low or Within Expected Range.

Adult	
Reading	High/ Low/ Within Expected Range
100/70mmHg	
45 beats per minute	
25 breaths per minute	
37 °C	

(2)

Older Adult	
Reading	High/ Low/ Within Expected Range
190/100mmHg	
70 beats per minute	
25 breaths per minute	
35 °C	

(2)

8

Please turn the page.

Question 3

C-2 (12 marks)

a. Outline **FOUR** reasons why taking measurements of the vital signs is important.

Important reason 1: _____ (1)

Important reason 2: _____ (1)

Important reason 3: _____ (1)

Important reason 4: _____ (1)

b. List **FOUR** reasons why the readings of the vital signs might not be within an acceptable range.

Reason 1: _____ (1)

Reason 2: _____ (1)

Reason 3: _____ (1)

Reason 4: _____ (1)

c. Explain **TWO** common reasons why the vital signs might not be within the acceptable range.

b. Describe **TWO** hazards listed in Question 4a and mention **ONE** associated risk for **EACH**.

Description 1: _____

_____ (1)

Description 2: _____

_____ (1)



(Source: <https://youtu.be/qUvFrXh1-g>)

c. Keeping in mind the hazards found in the picture above, identify **FOUR** safety measures when designing a living room in a residential home.

_____ (4)

Question 5

K-7 (8 marks)

Petra realises that she could refer to Health & Safety legislations to help with the current situation.

a. Name **FOUR** Health and Safety legislations Petra could refer to.

Legislation 1: _____ (0.5)

Legislation 2: _____ (0.5)

Legislation 3: _____ (0.5)

Legislation 4: _____ (0.5)

b. Choose **TWO** of the legislations mentioned in Question 5a and state their main aim.

i. _____

_____ (1)

ii. _____

_____ (1)

c. Outline how **FOUR** different Health and Safety legislations promote Health and Safety practices.

8

(4)

Section C

- Petra spends a lot of time with the residents.
- She notices that the care workers try to keep the residents active.

Question 6

K-8 (8 marks)

a. List **FOUR** activities of daily living.

Activity of daily living 1: _____ (0.5)

Activity of daily living 2: _____ (0.5)

Activity of daily living 3: _____ (0.5)

Activity of daily living 4: _____ (0.5)

b. Mention **TWO** reasons why assessing activities of daily living is important.

Reason 1: _____
_____ (1)

Reason 2: _____
_____ (1)

- During Petra’s working shift, one of the residents, Karen, had a heart attack.
- Petra and the rest of the staff are trained to work in a team during an emergency.

Question 7

K-10 (8 marks)

a. Outline the importance of working in a team during an emergency situation. Mention **TWO** reasons.

Reason 1: _____
_____ (1)

Reason 2: _____
_____ (1)

b. What are the **FIVE** pieces of information you need to know when calling for help in an emergency situation.

i. _____
_____ (0.4)

ii. _____
_____ (0.4)

iii. _____
_____ (0.4)

iv. _____
_____ (0.4)

v. _____
_____ (0.4)

- Karen hit her head with the bedside table and is unconscious.
- Another resident called Joe, tripped in his bedroom, was bleeding from his arm and had severe pain in his leg.

c. Identify **FOUR** situations in the scenario above why emergency help from a health care professional is required.

_____ (4)

8

