



SUBJECT:	Agribusiness
UNIT:	1
ASSIGNMENT:	3 – Controlled
TITLE:	Working in a Pet shop
DATE SET:	17th April 2023
DEADLINE:	17th May 2023

General Instructions

- Lines provided for sub-questions (a) and (b) indicate the length expected in the answers.
- Lines provided for sub-questions (c) do **not** necessarily indicate the length expected in the answers.
- Application criteria will be assessed in class.
- The time required to complete practical tasks will be communicated by the teacher.
- Answers may be either in English or in Maltese.

Candidate's Declaration of Authenticity

I, the undersigned, _____ (*Name and Surname*), declare that all the work I shall submit for this assignment will be my own.

I further certify that if I use the ideas, words, or passages from existing sources, I will quote those words or paraphrase them and reference them by making use of a reference system.

I am aware that should I submit work which is not mine, or work which has been copied from one or more sources, I will be penalised as per MATSEC Examinations Board policies related to plagiarism.

Candidate's Signature: _____

I.D. Card No.: _____

Date: _____

General Scenario

- Pam wants to set up a fish section in her new pet shop.
- She is reading on how to set up different aquaria for different fish.
- Pam also needs help in running the pet shop and learn how to keep records.

SECTION A – WRITE-ON

Question 1

K-5 (4 marks)

a. Match the fish species with their respective habitat by drawing a line.

Fish Species	Habitats
Goldfish	Marine Mediterranean
Guppies	Tropical stone-scape fresh water
Angel fish	Cold fresh water
Sea bream	Brackish
African cichlids	Tropical planted fresh water

b. List **FOUR** water parameters that should be monitored to maintain a healthy fish tank.

Parameter 1: _____

Parameter 2: _____

Parameter 3: _____

Parameter 4: _____

c. Outline the following fish habitats in relation to **TWO** water parameters for each habitat.

i. Tropical planted fresh water, housing tetras:

ii. Cold fresh water, housing koi:

iii. Brackish tank, housing mollies:

iv. Marine tropical, housing clown fish:

Question 2

C-2 (6 marks)

a. A fish tank of 160 litres will be used for four Angel fish.

Tick whether the tank is suitable according to:

i. The Angel fish's size Yes No

Justify your answer: _____

ii. The Angel fish's aggression Yes No

Justify your answer: _____

b. Explain **FOUR** benefits of water change of a fish tank.

Benefit 1: _____

Benefit 2: _____

Benefit 3: _____

Question 3

K-8 (4 marks)

a. Define 'Stock taking'.

b. Outline **FOUR** reasons why stock taking is important in an agribusiness enterprise.

Reason 1:

Reason 2:

Reason 3:

Reason 4:

c. Three Steps of stock taking in an agribusiness enterprise are provided below. Describe the missing **FOUR** steps in order:

Step 1: Choose appropriate stock take time so as not to affect operations.

Step 2: _____

Step 3: Put aside sold items so as not to include them in the stock taking exercise.

Step 4: _____

Step 5: _____

Step 6: _____

Step 7: Update stock records to reflect actual stock following stocktaking exercise.

SECTION B - PRACTICAL

Background Information

- You have been put in charge of a fish tank at your school.
- Your job is to take care of this tank and its dwellers
- In this task you will be required to:
 - give the right quantity of the right feed to fish;
 - monitor given water parameters; and
 - conduct a water change for a running fish tank.
- The teacher will provide you with the necessary tools and materials to conduct this exercise.
- During this practical task, you should observe all Health and Safety procedures.

Question 1

A-3 (10 marks)

**THIS QUESTION WILL BE PROVIDED BY THE TEACHER
DURING THE PRACTICAL SESSION/S**

SECTION C – PRACTICAL

Background Information

- In this task you will be required to carry out a stock taking exercise.
- The teacher will provide you with the necessary tools to conduct this exercise.
- The teacher will indicate the place where you are going to conduct the stock taking exercise.

Question 1

A-5 (10 marks)

- a. Prepare the necessary tools to carry out the stock taking exercise.
- b. Organise the stock in preparation for your stock taking exercise.
- c. Conduct your stock taking exercise by inputting the data on the Stock Taking Sheet provided by your teacher.