Index Number:\_\_\_\_\_ SEAC07/s1.21s



### MATRICULATION AND SECONDARY EDUCATION CERTIFICATE EXAMINATIONS BOARD

### SECONDARY EDUCATION APPLIED CERTIFICATE LEVEL 2021 SUPPLEMENTARY SESSION

SUBJECT: Agribusiness

PAPER NUMBER: Synoptic - Unit 1

DATE: 1st November 2021

TIME: 9:00 a.m. to 11:05 a.m.

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

Answer **ALL** questions in the space provided. You may answer either in English or in Maltese.

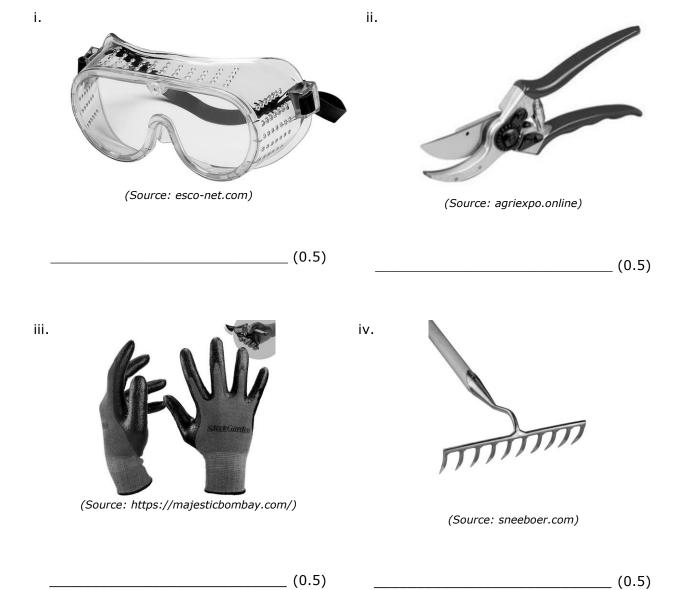
### **Scenario**

Tim works at an agricultural products outlet. His job is to:

- Inform customers on the proper handling of agricultural tools;
- Inform customers on health and safety measures;
- Work on stock taking;
- Help farmers on how to propagate plants.

Question 1 K-1 (6 marks)

a. Identify the following tools and personal protective equipment that are used in an agribusiness enterprise.



b. Match personal protective equipment to their functions by drawing a line between them.

Personal protection equipment	To protect	
safety shoes •	• the lungs, from inhaling contaminated air	(0.4)
wellingtons •	• the head, from sunburn	(0.4)
respirator •	• the feet, from heavy and sharp objects	(0.4)
hazmat suit •	• the full body, from contact contaminants and irritants	(0.4)
sun hat •	• the feet, from hazards in soiled areas	(0.4)

c. Recognise common Health and Safety signage used in agricultural activity.

i.



ii.



\_ (0.5)



iii.



iv.



\_\_\_ (0.5)

\_ (0.5)

(Source: vectorstock.com)

Please turn the page.

Question 2

C-1 (12 marks)

	ine <b>FOUR</b> preventive measures required for maintaining a sicultural enterprise	afe work environment in a
Meas	sure 1:	(1)
	sure 2:	
	sure 3:	
	sure 4:	
	cribe the use of the following items that should be present in a	
	urgical gloves:	
		(1)
ii. sto	terile eye wash:	
		(1)
	afety pins:	
iv. sc	cissors:	
		(1)
. Expla	ain <b>TWO</b> ways of dealing with each of the following injuries:	
	heat stroke eye irritation cut ele	ectric shock

	(4)
Question 3	K-2 (8 marks)
a. Mention the <b>TWO</b> types of germination:	
Type 1:	(1)
Type 2:	(1)
<ul> <li>Outline considerations on the following FOUR conditions that are propagation of plants.</li> </ul>	needed for optimum
Sheltering:	
Water availability:	
Tanan anakuna	
Temperature:	
Pathogens/pests:	
	(0.5)

Question continues of the next page.

c. Describe the following  $\mbox{\bf FOUR}$  propagation techniques.

	stem cutting	bulb	rhizome cutting	stem tuber cutting	_
	stem cutting	Duib	Thizonie cutting	Sterri tuber cutting	_
-					
-					
-					
_					
_					
_					
-					
-					
-					
-					
-				(4)	
Qu	estion 4			K-4 (8 marks)	
a. l	ist <b>TWO</b> tools and <b>TW</b>	<b>70</b> materials re	equired to graft a plant.		
-	Гооl 1:			(0.5)	
-	Гооl 2:			(0.5)	
				(0.5)	
				(0.5)	
			ed when grafting a plant.	,	
		·		(0.5)	
				(0.5)	
				(0.5)	
(	Consideration 4:			(0.5)	

Describe <b>FOUR</b> benefits of grafted plants.	
	(4)
uestion 5	K-6 (8 marks)
List <b>FOUR</b> mammalian pets kept in Malta, apart fro	n dogs.
Pet 1:	(0.5)
Pet 2:	(0.5)
Pet 3:	(0.5)
Pet 4:	(0.5)
Identify <b>ONE</b> type of accommodation for each mam	malian pet mentioned in Question 5a.
Accommodation for Pet 1:	(0.5)
Accommodation for Pet 2:	(0.5)
Accommodation for Pet 3:	(0.5)
Accommodation for Pet 4:	(0.5)

Outline a diet for a dog through its <b>FOUR</b> life	stages.
	(4)
uestion 6	K-8 (8 marks)
Define 'stock taking'.	
	(2
Outline <b>TWO</b> reasons why it is important enterprise.	to carry out stock taking in an agribusiness
Reason 1:	
	(1
Reason 2:	
	(1)


# Blank Page

# Blank Page

# Blank Page