



BSc in Palm & Latex Technology and Value Addition
First Year Second Semester Re-Sit Examination – October/November-2021

Nursery Management (PLT 151-2)
Section I – Structured Questions

Instructions:

Answer all questions in the given space.

No. of questions : Four (04)

No. of pages : Seven (07)

Time : One (01) hour

Index No.

Total marks allocated : 50%

01. (I) Name the currently recommended planting material of rubber.

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(01 mark)

(II) Name one (01) major disadvantage for each of the following planting materials used for rubber cultivation in the past.

Planting Material	Disadvantage
a) Unselected seeds/seedlings	
b) Selected seeds/seedlings	
c) Brown budded bare root plants	
d) Green budded bare root plants	
e) Brown/Green budded Polybagged plants	

(05 marks)

(III) List four (04) basic requirements to be considered in establishing a rubber nursery.

- a)
- b)
- c)
- d)

(04 marks)

(IV) List three (03) selection stages of a rubber nursery to select best quality rubber plants.

- a)
- b)
- c)

(03 marks)

(V) List four (04) important management practices to be carried out during the nursery period in order to produce good quality rubber plants.

- a)
- b)
- c)
- d)

(04 marks)

(VI) List five (05) steps in wound healing process of the bud grafted union.

- a)
- b)
- c)
- d)
- e)

(05 marks)

(VII) Name three (03) factors influencing the healing of the bud grafted union of a budded plant.

- a)
- b)
- c)

(03 marks)

02. (I) Give four (04) quality parameters of a rubber plant, which is ready for field planting.

- a)
- b)
- c)
- d)

(04 marks)

(II) Name two (02) rubber clones from each category given below.

Category of Rubber Clone	Names of Rubber Clones
a) Sri Lankan Clones	i. ii.
b) Foreign Clones	i. ii.

(04 marks)

(III) Fill in the following table on different straight fertilizers used to supply the following nutrients (N, P, K and Mg) to rubber nursery plants.

Nutrient	Straight Fertilizer
Nitrogen (N)	
Phosphorus (P)	
Potassium (K)	
Magnesium (Mg)	

(04 marks)

(IV) Give three (03) environmental factors that cause **Scion Dieback** of rubber plants.

- a)
- b)
- c)

(03 marks)

(V) Give two (02) plant factors that cause **Scion Dieback** of rubber plants.

- a)
- b)

(02 marks)

(VI) Fill in the following chart using “√” mark on appropriate cell/cells for the activities to be done throughout the year in the rubber nursery to be established in **August Season 2022**.

Year	2022						2023					
	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
Work To be Done												
Filling bags												
Sowing seeds												
Transplanting												
Adding fertilizer												
Disease control												
Bud grafting												
Cut-back plants												
Issuing plants												

(08 marks)

03. (I) Write down two (02) major types of coconut nurseries.

- a).....
- b).....

(02 marks)

(II) What are the two (02) types of coconut seed gardens?

- a).....
- b).....

(02 marks)

(III) List five (05) sources of coconut seed nuts.

- a).....
- b).....
- c).....
- d).....
- e).....

(05 marks)

(IV) List ten (10) features considered in mother palm selection.

- a).....
- b).....
- c).....
- d).....
- e).....
- f).....
- g).....
- h).....
- i).....
- j).....

(10 marks)

(V) a) Name three (03) mulching materials used in coconut nurseries.

- i)
- ii)
- iii)

(03 marks)

b) Explain a method of irrigation practised in coconut nurseries.

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(03 marks)

04. (I) a) Give two (02) symptoms of termite attack in coconut seedlings.

- i)
- ii)

(02 marks)

b) Explain one (01) chemical control method used to control termite attack of coconut.

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.....

(03 marks)

(II) List four (04) reasons for collar rot of coconut.

- a).....
- b).....
- c).....
- d).....

(04 marks)

(III) a) Name three (03) main selection stages in coconut nurseries.

- i)
- ii)
- iii)

(03 marks)

b) List five (05) characteristics of a good quality coconut seedling.

- i)
- ii)
- iii)
- iv)
- v)

(05 marks)

(IV) What is the recommended potting mixture used to fill poly bags in coconut nurseries.

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(03 marks)

(V) Give five (05) advantages of poly bagged coconut seedlings compared to bare root coconut seedlings.

- a).....
- b).....
- c).....
- d).....
- e).....

(05 marks)

[End of Section I]

