

Faculty of Natural Resources and Spatial Sciences

Department of Natural Resources and Agricultural Sciences

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QUALIFICATION: BACHELOR OF AGRICULTUR	RE
QUALIFICATION CODE: 07BAGR	LEVEL: 7
COURSE: HORTICULTURE	COURSE CODE: HCT620S
DATE: JANUARY 2019	SESSION: 2
DURATION: 3 HOURS	MARKS: 100

SECOND OPPORTUNITY / SUPPLEMENTARY EXAMINATION QUESTION PAPER	
EXAMINER(S)	DR. GRACE N. KANGUEEHI
MODERATOR:	DR. FIDELIS N. MWAZI

THIS QUESTION PAPER CONSISTS OF 1 PAGES

(Excluding this front page)

INSTRUCTIONS

- 1. Answer ALL the questions.
- 2. Write clearly and neatly
- 3. Number the answers clearly.

Question 1		
1.1. Define the Economic Threshold (ET).		
1.2. State two factors that affect insect species richness in an ecosystem.	(2)	
1.3. Define what is meant by a holometabolous life cycle and provide one insect example.	(2)	
1.4. List two undesirable effects of using insecticides in cultivated crops.	(2)	
1.5. How can "Damping off" problem in the production of Cole crops be controlled?	(2)	
1.6. Briefly describe the climatic requirement of Asparagus?	(3)	
Question 2		
2.1. Explain what hardening off is?	(3)	
2.2. State what is meant by physical control and pheromone control of insects and provide		
an example of an insect where each of these control measures can be applied.	(4)	
2.3. Give four (4) objectives of pruning.	(4)	
2.4. Differentiate between determinate and indeterminate varieties of tomatoes?	(4)	
2.5. Compare the grafting and budding technique in fruit trees.	(4)	
2.6. What are the characteristics that are desired in the rootstocks used for fruit trees?	(4)	
Question 3		
3.1. Differentiate between aggregate and multiple fruit as in fruit classification? Give examples		
in each.	(4)	
3.2. Discuss the precautionary measures needed when mixing chemicals.	(5)	
3.3. Describe the soil requirements of Asparagus?	(5)	
3.4. Briefly discuss the irrigation requirement of Beetroot.	(5)	
3.5. How should soil be prepared for Carrots production?	(5)	
3.6. Describe the climatic requirements of Cabbage.	(5)	
Question 4		
4.1. What are the advantages of propagation by tissue culture?	(5)	
4.2. Discuss the harvesting and storage techniques in lettuces?	(5)	
4.3. Briefly describe 4 different facets of the fresh vegetable market.	(8)	
4.4. Distinguish between deciduous and evergreen fruit trees.	(8)	
4.5. Date production is an available agri-business in Namibia. What is the potential benefit of		
Date palm to Agriculture?	(10)	

TOTAL MARKS: [100]