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College of Agriculture, Fisheries & Forestry
School of Agricultural Sciences
Department of Agriculture
Trade Diploma in Agriculture – Year I
HOR 408 – Fruit Crop Production
Trimester II Final Examination - 2017 **Total Marks: 100**

Time Allowed: Three Hours

[An extra ten minutes is allowed for reading this paper]

Instructions

- This paper consists of 5 pages.
- Answer **ALL** questions in the answer booklet.
- Number your answers correctly.
- Please check to see that your paper is complete
- Write your students number on all the pages that you use including any additional sheet of papers.
- Printed or written material is not allowed into the examination hall.
- Mark values appear at the end of each question or part thereof.
- Non – programmable calculators are permitted

“MOBILE PHONES ARE STRICTLY NOT ALLOWED”

Section	Guidelines	Total Marks	Suggested Time
A	Part 1: Multiple choice questions	10	60 minutes
	Part 2: Fill in the blanks	10	
	Part 3: True and False	10	
	Part 4: Matching	10	
	Part 5: Definition	10	
		50 Marks	
B	Long answers	50 Marks	120 minutes

SECTION –A

Note: Attempt all the questions.

Question 1: Multiple choice questions tick the correct answer from the following multiple choice (10 Marks)

1. Which of the following is not a variety of Banana
 - a. Jaina Balavu
 - b. Jaina Leka
 - c. Timoci
 - d. Bale kana

2. One of the factors that influences the production of Cocoa
 - a. Climatic conditions
 - b. Hygienic conditions
 - c. Physical condition
 - d. Growing conditions

3. Degreen is mainly practiced in
 - a. Cabbage
 - b. Carrots
 - c. Banana
 - d. Pineapple

4. Fruits that are harvested at physiological maturity are
 - a. Nutritious
 - b. Better
 - c. Have long shelf life
 - d. Not good for producer

5. Fiji tall is a prominent variety of
 - a. Plantain
 - b. Papaya
 - c. Mango
 - d. Coconut

6. Sigatoka disease is a major disease of
 - a. Soursop
 - b. Kura
 - c. Plantain
 - d. Dalo

7. Planting time for Papaya is
 - a. January to April
 - b. April to August
 - c. All year round
 - d. December to April
8. Watermelon germinates in 6 – 10 days.
 - a. 1 – 6 days
 - b. 6 – 10 days.
 - c. 10 – 16 days
 - d. 16 – 20 days
9. The proper spacing for Banana is
 - a. 3m x 1m
 - b. 3m x 2m
 - c. 3m x 3m
 - d. 3m x 4m
10. Fruits that mature after harvest are termed as
 - a. Non-climacteric fruit
 - b. Climacteric fruit
 - c. Ripen fruit
 - d. Mature fruit

Question 2 Fill in the blanks.

(10 Marks)

1. Passion fruit originated from the _____ areas.
2. The spacing that is preferred for coconut is triangular _____ and square _____.
3. _____ and _____ are the major pests of coconut.
4. Disease of fruit crops are mostly caused by _____.
5. The irrigation method which is best suited for deep rooted fruit crops is _____.
6. The main time of fruit of avocado is _____.
7. _____ is the main type of weeding done during the cultivation of breadfruit.
8. Chocolate is a by-product produced from _____.
9. _____ should be carried out after every fertilizer application in passionfruit.

10. The common name for kura is _____.

Question 3: Write True or False to support the following statements. (10 marks)

1. Integrate apiculture farming with passion fruit for pollination purposes.
2. NPK ratio of 13:13:21 is the standard ratio for all fruit crops.
3. Pruning fruit crops leads to high yields.
4. Heavy mulching around the base of the plant ensures steady growth.
5. Bale kana is not a variety of breadfruit.
6. Collar rot is a major disease of passion fruit.
7. Manual weeding is preferred during the cultivation of pineapple.
8. Pumpkin beetle is a major pest of water melon.
9. Green semi looper is not a pest of cocoa.
10. Kura or noni has no economic diseases.

Question 4: Match the letter columns to the correct number columns (10 Marks)

- | | |
|------------------|------------------------------|
| 1. Kura | A. <i>Carica papaya</i> |
| 2. Coconut | B. <i>Mangifera indica</i> |
| 3. Cocoa | C. <i>Morinda citrifolia</i> |
| 4. Pineapple | D. <i>Theobroma cacao</i> |
| 5. Mango | E. <i>Artocarpus altilis</i> |
| 6. Passion fruit | F. <i>Passiflora edulis</i> |
| 7. Water melon | G. <i>Ananas comosus</i> |
| 8. Papaya | H. <i>Citullus lanatus</i> |
| 9. Banana | I. <i>Musa sapientum</i> |
| 10. Bread fruit | J. <i>Cocos nucifera</i> |
| | K. <i>Morinda citrifolia</i> |

Question 5: Illustrate the following words to the best of your ability.

(10 Marks)

1. Mulching
2. Yield
3. Basal application
4. Canopy
5. Pruning
6. Paraquat
7. Seed rate
8. Shelf life
9. Pollination
10. Apiculture

SECTION-B

(50 Marks)

NOTE: Answer the following to the best of your ability. There are 7 optional questions given from which you are to answer only 5. Each question carries 10 marks.

1. Identify the different types of irrigation methods and briefly describe them.
2. Interpret the term integrated pest management and briefly describe the different control measures.
3. Specify the difference between the following.
 1. Basal application and split application.
 2. Foliage and canopy.
 3. Organic fertilizer and inorganic fertilizer.
 4. Climacteric fruits and non-climacteric fruits.
 5. Harvestable Maturity and Physiological maturity.
4. Specify the cultivation or the package and practice of Watermelon.
5. Specify the cultivation or the package and practice of Mango.
6. Specify the cultivation or package and practice of Banana.
7. Specify the cultivation or the package and practice of Coconut.

THE END

