

KERALA AGRICULTURAL UNIVERSITY
B.Sc. Hons. (Agriculture) – 2007 Admission - Vth Semester
Final Examination - January 2010

Cat. No. : Hort 3105
Title : Fruit Crops (2+1)

Max. marks: 80
Time : 3 hours

I.A. Fill up the blanks

(3x1=3)

- i) ----- is a physiological disorder in mangosteen where as bitter pit is the disorder in ----- ..
- ii) Botanically ----- fruits are known as hesperidium and jackfruit as -----
- iii) Common rootstocks for grapes are ----- and-----.

B. Match the following

(7x1=7)

- | | | |
|------------------|---|----------------|
| iv) Passionfruit | - | Muttom Varikka |
| v) Ber | - | Virupakshi |
| vi) Apple | - | Kaveri |
| vii) Sapota | - | Umran |
| viii) Date palm | - | Winter banana |
| ix) Jackfruit | - | Cricket Ball |
| x) Hill banana | - | Halawy |
| | - | Sindhu |

II. Write answers/short notes on any **TEN**

(10x3=30)

1. Mango malformation
2. Pollarding in guava
3. Peculiarities of South Indian Viticulture
4. Pollination in avocado
5. Virus indexing technique in citrus
6. Kew and Mauritius varieties in pineapple
7. Planting systems in strawberry
8. Annonaceous fruits
9. Staggered production in pineapple
10. Mattocking and desuckering in banana
11. Training and pruning in pomegranate
12. Propagation in sapota
13. Temperate nuts

III. Write short essays on (any **SIX**)

(6x5=30)

- 1 Alternate bearing in mango and its control measures
- 2 Genomic classification in banana.

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- 3 Papain extraction and the varieties suitable for papain production.
- 4 High density orcharding in fruit crops
- 5 Pomological classification in fig
- 6 Citrus Decline
- 7 Symptoms and control measures against bunchy top and bract mosaic diseases in banana
- 8 Nutritional importance of fruits and the fruit growing zones of India
- 9 Pollination and fruit set in temperate fruits

IV. Write an essay on any **ONE** of the following (1x10=10)

- 1 Elaborate the role of growth regulators in enhancing production, increasing quality and storage life of fruit crops.
 - 2 Explain the various training and pruning systems adopted in grapes.
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