

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

FOURTH YEAR EXAMINATION FOR THE AWARD OF DEGREE OF BACHELOR OF SCIENCE IN HORTICULTURE.

HORT 442: TEMPERATE ZONE-FRUITS

STREAMS: HORT (Y4S1)

TIME: 2 HOURS

DAY/DATE: THURSDAY 7/12/2017

2.30 P.M - 4.30 P.M.

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**INSTRUCTIONS:**

- This paper has two sections, A and B.
- Section A accounts for 30 Marks while Section B accounts for 40 Marks]
- Section A is compulsory
- Answer any two Questions in Section B

**SECTION A**

1. Temperate fruits may be categorized into 3 major groups, explain giving examples [6 Marks]
2. Explain the term ‘pruning’ and its importance. [8 Marks]
3. Describe three main type of pruning. [12 Marks]
4. Differentiate between spur bearers and tip bearers as used in temperate fruit production. [4 Marks]

**SECTION B**

5. In reference to Apples,
    - (a) Name the genus it is derived from and the family. [2 Marks]
    - (b) Qualities of a good rootstock [5 Marks]
    - (c) Temperature and altitude requirements of apples. [13 Marks]
  6. Discuss Grapes production under the following sub-headings
    - (a) Vineyard layout and land preparation [8 Marks]
    - (b) Harvesting and packaging of grapes [12 Marks]
  7. Discuss strawberries production under the following
    - (a) Deflowering [5 Marks]
    - (b) Describe leaf spot disease of strawberries [7 Marks]
    - (c) Maturity and harvesting [8 Marks]
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