

MAHARASHTRA AGRICULTURAL UNIVERSITIES EXAMINATION BOARD, PUNE
SEMESTER END EXAMINATION

B.Sc. (Hons.) Horticulture

Semester : III (New)	Term : I	Academic Year : 2019-20
Course No. : H/FS 233	Title : Tropical and Subtropical Fruits	
Credits : 3 (2+1)		
Day & Date : Monday, 04.11.2019	Time : 09.00 to 12.00	Total Marks : 80

- Note :**
1. Solve ANY EIGHT questions from SECTION "A".
 2. All questions from SECTION "B" are compulsory.
 3. All questions carry equal marks.
 4. Draw neat diagrams wherever necessary.

SECTION "A"

- Q.1 Explain in detail importance and scope of fruit cultivation in India.
- Q.2 Give the detail classification of fruit crops on different basis.
- Q.3 Write in detail about cultivation of mango on the following points.
- a) Soil and climate
 - b) Manures and fertilizers
 - c) Improved varieties
 - d) Harvesting and yield
- Q.4 Write in detail about cultivation of banana on the following points.
- a) Propagation and planting
 - b) Manures and fertilizers
 - c) Use of PGR
 - d) Maturity indices and harvesting
- Q.5 Write in detail about cultivation of pineapple on the following points.
- a) Soil and climate
 - b) Manures and fertilizers
 - c) Propagation
 - d) Harvesting and yield
- Q.6 Write short notes (Any Two).
- a) Desuckering and thrashing in banana
 - b) Training in grape
 - c) Papain extraction in papaya
- Q.7 Write in detail about cultivation of sapota on the following points.
- a) Soil and climate
 - b) Propagation and planting
 - c) Improved varieties
 - d) Harvesting and yield
- Q.8 Explain in detail about different horticultural zones of India and Maharashtra.
- Q.9 Enlist physiological disorders in mango, grape, citrus, litchi. Write in detail about physiological disorders in mango.
- Q.10 Write in detail about cultivation of grape on the following points.
- a) Soil and climate
 - b) Propagation and planting
 - c) Improved varieties
 - d) Harvesting and yield

(P.T.O.)

SECTION "B"

Q.11. Fill in the blanks.

- 1) Botanically citrus fruit is _____ type.
- 2) Banana is also known as _____.
- 3) _____ is the botanical name of hanumanphal.
- 4) 'Girdling' practice adopted in _____ fruits crop.
- 5) _____ is the chemical used to overcome the alternate bearing in mango.
- 6) Ratna is a variety of mango cross between _____ x _____ varieties.
- 7) Rose apple belongs to family _____.
- 8) _____ is the day neutral fruit crop.

Q.12 Match the following pairs.

'A'

- 1) Fig
- 2) Pineapple
- 3) Sapota
- 4) Litchi
- 5) Papaya
- 6) Pomegranate
- 7) Grape
- 8) Sweet orange

'B'

- a) Sunrise solo
- b) Ruby
- c) Gulabi
- d) Thomson seedless
- e) Katol gold
- f) Alexandria
- g) Dinkar
- h) Cricket ball

