

2019

(2nd Semester)

Time : 2 hours

Full Marks : 50

Answer all questions

*The figures in the right-hand margin indicate marks
Candidates are required to answer in their own words
as far as practicable*

**(PRODUCTION TECHNOLOGY FOR FRUIT
AND PLANTATION CROP)**

1. Fill in the Blanks :

 $\frac{1}{2} \times 10$

- (i) Banana is propagated by _____.
- (ii) Alphonso is a prominent variety of _____.
- (iii) Common propagation method adopted in guava is _____.
- (iv) Copra is a product of _____.

(iv) Describe in brief scope and future prospects of plantation crop in India.

(v) Describe in brief nursery raising practices of coconut, coffee and rubber.

6. Write short notes on any four from the following : 3×4

- (i) Alternate bearing in mango
- (ii) Sword sucker and water sucker in banana
- (iii) Bahar regulation in guava
- (iv) Kottapak and kalipak
- (v) Cashew processing
- (vi) Cherry coffee and parchment coffee.

(2)

- (v) Amrapali variety of mango is a cross between _____.
- (vi) Papain is produced from _____.
- (vii) Allahabad Safeda is a variety of _____.
- (viii) CNSL stands for _____.
- (ix) Mangala is a variety of _____.
- (x) Tapping is general practice followed in case of _____.

2. Write (T) for true or (F) for false answer : $\frac{1}{2} \times 10$

- (i) Guava originated from tropical America.
- (ii) The inflorescence of litchi is known as spadix.
- (iii) During Mrig-bahar the fruit obtained are excellent in quality.
- (iv) Anthocyanins, which are responsible for the color of purple grapes.
- (v) Water suckers are better than sword suckers in banana.

(3)

- (vi) Papain is a produce from pomelo.
- (vii) Open center training system is practiced in guava.
- (viii) Cricket ball is a variety of orange.
- (ix) Cutting of grape must consist at least three nodes for propagation.
- (x) Parchment coffee is better than cherry coffee.

3. Match the following : $\frac{1}{2} \times 10$

- | | |
|---------------------|-----------------------|
| 1. Mallika | A. Banana |
| 2. Bahar Regulation | B. Grape |
| 3. Tropical America | C. Propagation method |
| 4. Central leader | D. Coconut |
| 5. Inarching | E. Papaya |
| 6. Robusta | F. Mango |
| 7. Tangerine | G. Sapota |
| 8. Berry | H. Guava |
| 9. Chiku | I. Citrus |
| 10. Spathe | J. Training system |

4. Mark the appropriate answer : $\frac{1}{2} \times 10$

- (i) Which following fruit is also known is chicku.
 (a) Sapota
 (b) Litchi
 (c) Mango
 (d) Guava
- (ii) Tapping task is associated with which plantation crop.
 (a) Cashew
 (b) Rubber
 (c) Coconut
 (d) None
- (iii) Guava is rich source of which vitamin.
 (a) A
 (b) D
 (c) E
 (d) C

- (iv) Jardalu is a prominent variety of which fruit.
 (a) Litchi
 (b) Mango
 (c) Sapota
 (d) Fig
- (v) King of fruits
 (a) Banana
 (b) Papaya
 (c) Mango
 (d) Litchi
- (vi) Chakaiya is a variety of which fruit
 (a) Ber
 (b) Aonla
 (c) Jackfruit
 (d) Jamun

(vii) Pineapple center of origin is

- (a) India
- (b) Brazil
- (c) Peru
- (d) Armenia

(viii) Carambola belongs to the family

- (a) Oxalidaceae
- (b) Sapindaceae
- (c) Myrtaceae
- (d) Rosaceae

(ix) Kottapak is associated with which plantation crop.

- (a) Coconut
- (b) Oil palm
- (c) Areca nut
- (d) None

(x) Pineapple is propagated by

- (a) Slips
- (b) Crown
- (c) Side suckers
- (d) All

5. Describe in brief any *three* from the following :

6 × 3

- (i) Describe in brief mango cultivation practices emphasizing on origin, distribution, soil, climate, propagation, cultivation, nutrition and yield.
- (ii) Describe in brief cultivation practices of any three minor fruit crops emphasizing on soil, climate, method of propagation, cultivation and yield.
- (iii) Describe in brief soil, climate, varieties, method of propagation and yield in papaya, banana and grape.