

2018

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*

Maintain the sequence of answers as per the question

(FUNDAMENTALS OF HORTICULTURE)

1. Fill in the blanks : 1 × 10
- (i) The term Horticulture has been derived from two latin words _____ and _____ .
 - (ii) The scientific name of yam is _____ and family is _____ .
 - (iii) Beet belongs to the family _____ but raddish belongs to the family _____ .

- (iv) _____ and _____ are monocot vegetables.
- (v) _____ and _____ are leafy vegetables.
- (vi) Tuberose belongs to the family _____ but chrysonthemum belongs to _____ family.
- (vii) _____ and _____ are used as lawn grasses.
- (viii) _____ and _____ are the crops belonging to Anacardiaceae family.
- (ix) Pineapple is a _____ crop in habit but apple is a _____ crop.
- (x) Pollination by wind is called as _____ but by insects is called as _____.

2. Choose the appropriate word : 1 × 10

- (i) In which system of planting more no. of plants can be accommodated.
 - (a) Square
 - (b) Rectangular
 - (c) Triangular
 - (d) Quincunx.

- (ii) Which accelerates cell division
 - (a) Auxin
 - (b) Gibberellin
 - (c) Cytokinin
 - (d) Ethylene
- (iii) Commercial method of propagation of litchi
 - (a) Cutting
 - (b) Grafting
 - (c) Budding
 - (d) Layering
- (iv) Dahalia is propagated by
 - (a) Leaf
 - (b) Root
 - (c) Stem
 - (d) Tubers

(v) Pineapple is propagated by

- (a) Root
- (b) Stem
- (c) Sucker
- (d) Offshoot

(vi) Banana is a _____ crop.

- (a) Annual
- (b) Biennial
- (c) Perennial
- (d) None of these

(vii) Open centre system is a _____

- (a) Training
- (b) Pruning
- (c) Cutting
- (d) None of these

(viii) Roof of the lath house is made up of

- (a) Plastic film
- (b) Pshadenet
- (c) Glass
- (d) Iron net

(ix) Role of sulphur in plants is

- (a) Increase protein
- (b) Increase sweetness
- (c) Increase oil content
- (d) Increase carbohydrate

(x) _____ is a compound fertiliser.

- (a) Urea
- (b) SSP
- (c) MOP
- (d) DAP

3. Answer any *ten* from the following : 3 × 10

- (a) Describe the importance of Horticulture.
- (b) Classify the vegetables basing on their parts used, photoperiodism are thermo-sensitiveness.
- (c) Classify the fruits basin on their climatic requirement with suitable examples.
- (d) Differentiate between Grafting and Budding.
- (e) Advantages and disadvantages of training and pruning.
- (f) How many types of pollinations you know pl. describe.
- (g) How to prepare the lawn ?
- (h) Name six medicinal plants scientifically with their uses.
- (i) Write the role of Auxin in plants.
- (j) Describe the different types of surface irrigation methods.

- (k) Name ten garden tools and implements.
 - (l) What is kitchen garden ? Prepare crop sequence for a model kitchen garden.
 - (m) What are the causes of unfruitfulness ?
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