# CBSE Class 12 Horticulture 2015 - Set 287/1

## Question Paper

Conducted by the Central Board of Secondary Education (CBSE)

**Time Allowed: 3 Hours** **Maximum Marks: 60**

### General Instructions

(i) Attempt all questions.

## Questions

**1(a).** Discuss the following:
Early blight of potato

**1(b).** Discuss the following:
Write botanical names and name of one variety each of onion, carrot, turnip, spinach and okra

**1(c).** Discuss the following:
Freezing of peas

**1(d).** Discuss the following:
Buttoning in cauliflower

**2(a).** Write short notes:
Truck gardening

**2(b).** Write short notes:
Sprinkler irrigation

**2(c).** Write short notes:
Inter-cropping

**2(d).** Write short notes:
Year round cauliflower growing through selection of varieties

**2(e).** Write short notes:
Vegetable cultivation under shade nets

**3(a)(i).** Fill in the blanks:
Urea contains _____ percent nitrogen.

**3(a)(ii).** Fill in the blanks:
Muriate of potash contains _____ percent $K_2O$.

**3(a)(iii).** Fill in the blanks:
Glufosinate is a non-selective _____.

**3(a)(iv).** Fill in the blanks:
The concentration of thiram (thiride) is kept at _____ to _____ percent for seed treatment.

**3(a)(v).** Fill in the blanks:
Dormancy in potato tuber is broken by keeping them for 10 seconds in _____ ppm GA solution.

**3(b)(i).** Mark 'T' for true and 'F' for false statements.
When the anthers and stigma of a bisexual flower mature at the same time, it is known as homogamy. (T/F)

**3(b)(ii).** Mark 'T' for true and 'F' for false statements.
Male sterility refers to the absence of functional pollen grains in otherwise hermaphrodite flowers. (T/F)

**3(b)(iii).** Mark 'T' for true and 'F' for false statements.
The seed produced under proper supervision of an institute or an agency is breeder seed. (T/F)

**3(b)(iv).** Mark 'T' for true and 'F' for false statements.
The isolation distance maintained is about 2000 metres for bottle gourd seed production. (T/F)

**3(b)(v).** Mark 'T' for true and 'F' for false statements.
Turnip is a cross-pollinated crop. (T/F)

**3(c).** Match the following:

| Column A | Column B |
|---|---|
| Brassica | Legume |
| Bottle gourd | Knol-khol |
| Beans | Muskmelon |
| Cruciferae | Monoecious |
| Male and hermaphrodite flowers found on the same plant | Self-incompatibility |

**- End of Question Paper -**