

Answer all questions.

The figures in the margin indicate full marks for the questions

1. Fill in the blanks 8x1=8
- a) ___ is a branch of horticulture which deals with the cultivation of vegetable crops.
 - b) PGR stands for ____.
 - c) IPM refers to _____.
 - d) Example of bio pesticide include _____
 - e) _____ involves growing plants, usually crops, without soil, by using water-based mineral nutrient solutions in aqueous solvents.
 - f) In horticulture, the joining together of plant parts by means of tissue regeneration is carried out by _____.
 - g) Pomology is a branch of horticulture which deals with the cultivation of _____.
 - h) ___ is a method of plant propagation using extremely small pieces of plant tissue taken from a mother plant grown under laboratory conditions to produce new plants.
2. Answer any eight of the following in 2 to 3 sentences 8x1.5=12
- a) What do you mean by urban horticulture?
 - b) What is perennial ornamental plant?
 - c) What is landscaping?
 - d) What do you mean by crop sanitation?
 - e) What do you understand by biofertiliser?
 - f) How layering is carried out?
 - g) How germplasm can be conserved?
 - h) What is seed propagation?
 - i) Mention the economic importance of orchids.
 - j) Explain in brief how weeds can be controlled.
3. Answer any eight of the following 8x2=16
- a) Mention in brief about the branches of horticulture.
 - b) What is Ecotourism?
 - c) Why biopesticides are significant in horticulture?
 - d) Mention the methods used in minimization of loss of horticultural crops during storage and transportation. <https://www.odishastudy.com>
 - e) Write in brief about the practices followed in urban forestry.
 - f) How the deficiency symptoms are identified from disease control perspective?
 - g) Write a note international bodies working on horticultural crops.
 - h) How micro propagation assists in conservation of horticultural crops?
 - i) Mention the various propagation methods used in horticulture.
 - j) Write down the IPR issues associated with horticultural crops.
4. Answer the following questions 4x6=24
- a) Describe how horticulture can play an important role in rural economy and employment generation?
Or
Write a note on types of ornamental plants and their classification
 - b) Mention the characteristic features of Succulents with suitable examples
Or
Write a note on identification of ornamental plants you have studied
 - c) Discuss in detail about management and marketing of fruit crops
Or
Elaborate on the gardening traditions of Japanese gardens
 - d) Describe in detail about the irrigation methods used in horticulture?
Or
Discuss the scope of propagation methods adopted in horticulture and their limitations