

ARUNACHAL PRADESH PUBLIC SERVICE COMMISSION

HORTICULTURE : PAPER - I

Time: 3 (Three) hours

Full marks: 100

*(Group - A is compulsory. Attempt any FOUR questions from Group - B).*

GROUP - A

(This Group is COMPULSORY)

Q. 1. Attempt any 10 (ten)

2x10=20

- a) Write the scope of cultivation of fruit crops in Arunachal Pradesh.
- b) Mention the maturity indices followed in apple, guava, cucumber and pumpkin.
- c) Discuss the branches of horticulture.
- d) Write components and ration of the ideal rooting medium of anthurium.
- e) State two commercially important varieties each of apple, Kiwi fruit, banana, cabbage, potato, brinjal, turmeric, ginger, rose and gladiolus.
- f) Write the pre-planting treatment of ginger and turmeric before planting.
- g) Discuss the curing and processing of black pepper.
- h) Mention the propagating materials used for propagation of pineapple, guava, anthurium and orchids.
- i) Name two types of marigold and differentiate them.
- j) State the disease that most commonly occurs in nursery bed of vegetable seedling and its control measure.
- k) Write the different methods of weed management in horticultural crop cultivation.
- l) Mention five aromatic plants and their uses.

GROUP - B

(Answer any Four.)

Q.2. Attempt any 8 (eight)

2.5x8 = 20

- a) Write the method of propagation of chrysanthemum.
- b) Write the suitable method of planting of fruit trees in hill slopes of Arunachal Pradesh.
- c) Narrate the storage procedure of gladiolus corm after harvesting.
- d) Explain the processing of turmeric after harvesting.
- e) Enumerate the production problems of cauliflower cultivation.
- f) State the different methods of asexual propagation.
- g) Write the different soil moisture conservation methods in orchard.
- h) What is 'fertigation' ? Write the advantage of it.
- i) Explain the rapid propagation of black pepper.
- j) Enlist any five important medicinal plants of your locality and enumerate their applications and scope of commercialization.

