

CENTRAL PUBLIC WORKS DEPARTMENT  
DEPARTMENTAL EXAMINATION IN HORTICULTURE – 2022  
ASSISTANT DIRECTOR HORTICULTURE

Time : 3 Hours

Max. Marks : 100

Notes : Attempt any five question. All question carry equal marks.

1. Describe sustainable land management and ecological restoration in detail.
2. Describe styles of gardening and elaborate the detailed features of Mughal and Persian Garden.
3. Describe about Air Quality Index and how the standard AQI can be maintained in the Indian Metro Cities with special reference to Delhi.
4. Short Notes of the following
  - (i) Drone application in the Horticulture and Landscaping.
  - (ii) Artificial intelligence in the Horticulture and Landscaping.
  - (iii) Hydroponics
  - (iv) Urban Horticulture and Landscaping.
  - (v) Sculptures and Statues in Horticulture and Landscaping.
5. Short Notes of the following
  - (i) Terrace Garden
  - (ii) Zen Garden
  - (iii) Vertical Garden
  - (iv) Tree Transplantation
  - (v) Plant Growth Regulators
6. Short Notes of the following
  - (i) Oplismenus hirtellus grass
  - (ii) Evolvulus nummularius grass
  - (iii) Plant Growth Inhibitors
  - (iv) Phytoremediation
  - (v) Soil Substitutes