



Advertisement No. IITH/2023/NF/15 dated 22.10.2023

Post Number	Post Name
17	Junior Horticulturist

SYLLABUS for Written and/ or Skill Test

PART- 1. (30% WEIGHTAGE)

- 1. General Intelligence & Reasoning:** Analogies, similarities, differences, visualization, judgement, decision making, visual memory, discrimination, patterns, relationship concepts, arithmetical reasoning, verbal and figure classification, abstract ideas, arithmetical computations, and other analytical functions. **(ii) General Awareness:** General awareness of the environment around us and understanding of everyday observations. Knowledge of current events and history, culture, geography, economic scene, general policy, and scientific research, etc. about India and its neighboring countries.
- 2. General Knowledge and Current affairs of National and International importance including:** (i) Political issues, (ii) Environment issues, (iii) Current Affairs, (iv) Science and Technology, (v) Economic issues, (vi) History of India with special reference to Indian freedom struggle movement. (vii) Sports, (viii) Cinema and Literature.

PART- 2 (70% WEIGHTAGE)

1. Weed control & Management consisting of proper plant identification, selection of effective management methods and monitoring the effects over time.
2. Identification of different Ornamental, Fruit bearing, and Avenue plants and their seeds.
3. Propagation, Plantation, and maintenance of Avenue Trees.
4. Site selection, layout, planting time and methods for establishment of Landscape gardens with ornamental & Fruit bearing plants/ Trees, Shrubs and Hedge plants etc.
5. Making and maintenance of lawn; Formal and informal garden, soil, climate requirements, improved varieties, propagation methods, cultural practices, post-harvest management and plant protection measures of important fruit, vegetable, flower, and ornamental crops.
6. Selection, Propagation, Plantation in suitable containers with suitable soil mix and Soilless Potting Mixes and maintenance of indoor and shade loving plants.
7. Irrigation System design and implementation and maintenance.
8. Different types of Power tools, hand tools and other implements
9. Insect and pest control i/c Plant diseases identification and treatment.

Note: The syllabus topics mentioned above are for illustrative purposes only.