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BAP-002

**DIPLOMA IN HORTICULTURE
(DHORT)**

Term-End Examination

December, 2023

BAP-002 : BASIC HORTICULTURE

Time : 2 Hours

Maximum Marks : 50

Note : *All questions are compulsory and carry equal marks.*

1. (a) Discuss *three* major stages of water availability in the soil. 5
- (b) What do you mean by *ex-situ* water harvesting ? Discuss with example. 5
2. (a) Differentiate between Triangular and Square systems of layout of an orchard. 5
- (b) Write the characteristics of Red Soil and Loam. 5
3. (a) Discuss *three* practical uses of Auxins. 5
- (b) Explain the cultural and mechanical methods of weed management. 5

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4. (a) Differentiate between soil texture and soil structure. 5
- (b) Discuss about the protection of plants from cold conditions. 5
5. (a) Explain the role of zinc and calcium in plant growth. 5
- (b) Discuss the effect of moisture stress on crop growth. 5