

Time: 2:30 hours

Marks: 60

N.B.: 1. All questions are compulsory.

2. Figures to the right indicate full marks.

3. Draw neat and labelled diagrams wherever necessary.

- Q.1. Give detail account of ideal physiological conditions required for seed germination. 12
OR
- Q.1. Describe various factors responsible for seed dormancy. 12
- Q.2. Explain the different pathogen attack strategies induced in plants 12
OR
- Q.2. Describe cold injury and cold resistance in plants. 12
- Q.3. What are Biogeographical zones? Describe any two Biogeographical zones of India. 12
OR
- Q.3. Describe in detail r and K selection strategies. 12
- Q.4. Describe in detail, causes of global warming. 12
OR
- Q.4. Explain the impacts of climate change on Agriculture 12
- Q.5. Write short notes on **ANY THREE** of the following 12
- Mobilization of food reserves in germinating seeds
 - Factors in control for the long term storage of seeds
 - Adaptive Response to Water Deficit
 - Population growth curve-Sigmoid
 - UNFCCC
 - Blue carbon initiative
