

Q.P. Code :05980

[Time: 2½ Hours]

[Marks:60]

Please check whether you have got the right question paper.

- N.B:**
1. All questions are **compulsory**.
 2. **Figures** to the **right** indicate **full** marks.
 3. **Draw** neat **labelled** diagrams wherever **necessary**.

- Q.1** Give the morphological peculiarities of family Araceae .Add a note on its systematic position and mention two plants of economic importance from the same. **12**
- OR**
- Q.1** Explain the morphological peculiarities of family Plumbaginaceae. Give its phylogeny and inter-relationships **12**
- Q.2** Describe the floral anatomy in hypogynous flower. **12**
- OR**
- Q.2** Write an essay on abscission zone in leaves. **12**
- Q.3** Describe the evolution of pollen aperture based on position. **12**
- OR**
- Q.3** Define self –incompatibility. Explain it with reference to cytological and biochemical aspects. **12**
- Q.4** Describe the detection of adulterants and quality testing of crude drugs. **12**
- OR**
- Q.4** Explain the history characteristics and varieties of ginger. **12**
- Q.5** Write notes on **any three** of the following:- **12**
- a. Flower of Oleaceae
 - b. Hypnotics.
 - c. Ontogeny of stomata
 - d. Role of embryology in plant breeding
 - e. Varieties and uses of *Eucalyptus*
 - f. Inflorescence of Orchidaceae