

JL – 5/14

Botany

Paper – I

Time : 3 hours

Full Marks : 200

The figures in the right-hand margin indicate marks.

Answer any five questions.

1. Write an account on Late Blight Disease of Potato. 40
2. Describe the sexual reproduction in **Riccia**. 40
3. With the help of floral formula and floral diagramme, describe the families Malvaceae and Fabaceae. 40
4. Describe the development of female gametophytes in Angiosperms. 40
5. What are the major sources of air pollution and suggest the methods of control. 40

ZK – 5/1

(Turn over)

6. Write about the following : $10 \times 4 = 40$
- (a) Plant Succession
 - (b) Different types of endosperms in Angiosperms
 - (c) Coralloid Root of **Cycas**
 - (d) Mosaic of Tobacco

7. Answer the following : $10 \times 4 = 40$
- (a) Economic importance of Algae
 - (b) Salient features of Poaceae
 - (c) Stellar structure in Pteridophytes
 - (d) Forest Ecosystem

8. Write notes on the following : $10 \times 4 = 40$
- (a) Sexual Incompatibility in Angiosperms
 - (b) Reproduction in Lichens
 - (c) Anomalous secondary growth in **Bignonia** stem
 - (d) Ecological adaptations in Hydrophytes

