

# BOTANY Paper-B

## (Economic Botany)

**Time Allowed : Three Hours**

**Maximum Marks : 36**

**Note :** Question No. 1 is compulsory. Attempt only **one** question from each Unit. Make diagrams wherever necessary.

1. (i) Sonalika is the high yielding variety of :
- |           |            |
|-----------|------------|
| (a) Wheat | (b) Maize  |
| (c) Rice  | (d) Cotton |
- (ii) Maize grows best in which soil ?
- |          |                   |
|----------|-------------------|
| (a) Sand | (b) Loam          |
| (c) Clay | (d) None of these |
- (iii) *Solanum, tuberosum* belongs to which family :
- |                 |                       |
|-----------------|-----------------------|
| (a) Cruciferae  | (b) Malvaceae         |
| (c) Leguminosae | (d) None of the above |
- (iv) Which of the following is major Mustard producing state in India?
- |              |             |
|--------------|-------------|
| (a) Punjab   | (b) Haryana |
| (c) U.P. (d) | Rajasthan   |
- (v) Optimum growth temperature for Mango is :
- |             |                   |
|-------------|-------------------|
| (a) 0–10°C  | (b) 10–20°C       |
| (c) 20–30°C | (d) None of these |
- (vi) Sal belongs to which family ?
- |                 |                      |
|-----------------|----------------------|
| (a) Verbenaceae | (b) Dipterocarpaceae |
| (c) Solanaceae  | (d) Anacardiaceae    |
- (vii) Botanical name of Sal is .....
- (viii) Botanical name of Amla is .....
- (ix) Part used for Coir as fibre is .....
- (x) Gram is used economically for .....
- (xi) Non-alcoholic beverage crops are .....
- (xii) Ex situ conservation is ..... 1×12=12

### UNIT-I

2. Give the area of cultivation, soil requirement and cultivation practices of Rice. 6
3. Write the soil requirements, cultivation practices and high yielding varieties of Cotton. 6

## UNIT – II

4. What type of soil is required for good growth of Sugarcane crop ?  
Write its cultivation and high yielding varieties. 6
5. Explain the area of cultivation, cultivation practices and high yielding varieties of Mustard. 6

## UNIT – III

6. Write the botanical name, family, part used and economic importance of :  
(a) Moong (b) Teak and (c) Jute. 6
7. Write the botanical name, family, part used and economic importance of :  
(a) Deodar (b) Flax (c) Turmeric. 6

## UNIT – IV

8. Give the botanical name, family, part used and economic importance of the following :  
(a) Bamboo (b) Liquorice (c) Aconite. 6
9. Give the botanical name, family, part used and economic importance of the following :  
(a) Belladonna (b) Ashwagandha (c) Coffee. 6