

- (b) Jute and Cotton fibre
- (c) Alcoholic and Non-alcoholic beverages
- (d) Cereals and Millets

4. Draw a well labelled diagram of followings : (any **three**) (3×5=15)

- (a) L.S of Clove floret
- (b) T.S of Potato Tuber
- (c) Morphology of Mustard plant
- (d) L.S of Black pepper

5. Attempt any **two** from the following : (2×7.5=15)

- (a) Describe the morphology of the rubber plant (*Hevea brasiliensis*). Explain the process of latex tapping from para rubber tree. (3.5+4=7.5)
- (b) Write botanical name, family, plant parts used, chemical constituents, economic importance and morphology of tea plant. (1+1+1+1+1.5+2=7.5)
- (c) Describe the plant morphology, products and by-products of *Saccharum officinarum*. Describe methods of propagation and harvesting sugarcane crop. (2+2.5+3=7.5)

(1500)

[This question paper contains 4 printed pages.]

Your Roll No.....

Sr. No. of Question Paper : 2049

L

Unique Paper Code : 2162011202

Name of the Paper : Plant Resources and Economic Botany

Name of the Course : **B.Sc. (Hons.) Botany**

Semester : II

Duration : 2 Hours

Maximum Marks : 60

Instructions for Candidates

1. Write your Roll No. on the top immediately on receipt of this question paper.
2. Attempt **FOUR** questions in all, including Question Number **1**, which is compulsory.
3. **All** questions carry equal marks.
4. **All** parts of a question must be answered together.
5. Draw labelled diagrams and write the botanical name wherever necessary.

P.T.O.

2049

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1. Answer any **five** questions from each part. (1×5=5)

(a) Give botanical name and family (**any 5**) :
(1×5=5)

- (i) Jute
- (ii) Barley
- (iii) Pigeon pea
- (iv) Groundnut
- (v) Apple
- (vi) Radish
- (vii) Saffron

(b) Fill in the blanks (**any 5**) : (1×5=5)

- (i) The main psychoactive compound in Opium Poppy is _____.
- (ii) _____ is the chief alkaloid of Foxglove.
- (iii) *Rauwolfia* is used for the treatment of _____.
- (iv) Example of a drug used as a myocardial stimulant.
- (v) Clove belongs to family in scientific classification is _____.

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(vi) The stimulant compound present in Tea is _____.

(c) Match the following (**any 5**) : (1×5=5)

- | | |
|------------------|-------------------|
| (i) Nobilization | (a) Fibre |
| (ii) Copra | (b) Rubber |
| (iii) Digitalis | (c) Legumes |
| (iv) Hemp | (d) Sugarcane |
| (v) Tapping | (e) Drug yielding |
| (vi) Favism | (f) Coconut |

2. Write short notes on the following : (**any 3**)
(3×5=15)

- (i) Economic importance of spices
- (ii) Centers of Diversity
- (iii) Fatty oils classification with example
- (iv) Classification of Fibres based upon their Origin

3. Differentiate between the following (Attempt any **three**) : (3×5=15)

(a) *Cinchona* and *Nicotiana tabacum*

P.T.O.