

- (iii) T.S. of Citrus fruit
- (iv) T.S of Jute Stem
4. (a) "UN has declared 2023 as the International year of Millets or IYM2023". Answer the following questions on the basis of this statement.
- (i) What are Millets? Mention the botanical names of any two millets. State the differences between millets and pseudocereals. (5)
- (ii) Millets are known as "Poor man's food". What are the reasons for this label? Mention their ecological importance. (5)
- (b) Classify the fibres based on their origin. Briefly explain the processing of cotton and its economic uses. (5)
5. Differentiate between : (any 3) (3×5=15)
- (i) Flue curing and air curing
- (ii) Black Tea and Green Tea
- (iii) White Jute and Tossa Jute
- (iv) Fatty oils and essential oils
- (v) *Oryza indica* and *Oryza japonica*

(1000)

[This question paper contains 4 printed pages.]

Your Roll No.....

Sr. No. of Question Paper : 4112

H

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 No. 1 which is compulsory.
3. **All** parts of a question must be answered together.
4. **All** questions carry equal marks.
5. Draw diagrams wherever required.

1. (a) Mention the botanical name and family of the following: (any 5) (1×5=5)

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- (i) Para rubber
- (ii) Tobacco
- (iii) Soybean
- (iv) Flax
- (v) Sesame
- (vi) Black pepper

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

- (i) The one seeded indehiscent fruit of wheat is called as _____.
- (ii) Example of a Drug used as a myocardial stimulant _____.
- (iii) The disease, favism is caused by _____.
- (iv) Serpentine is obtained from _____ plant. (Botanical name).
- (v) Malarial fever can be cured by the use of the bark of _____ plant.
- (vi) Groundnut is an example of _____ fruit.

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

- | | |
|-------------------|---------------|
| (i) Hashish | (a) Coconut |
| (ii) Copra | (b) Tea |
| (iii) Thein | (c) Cannabis |
| (iv) Pseudocereal | (d) Poppy |
| (v) Codeine | (e) Sugarcane |
| (vi) Nobilisation | (f) Quinoa |

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

- (i) Ecological importance of legumes
- (ii) Plant genetic resources and conservation
- (iii) Evolution of wheat
- (iv) TPS technology (Potato)
- (v) Health hazards of Tobacco

3. Draw well labeled diagram of the following : (any 3) (3×5=15)

- (i) L.S. of Wheat grain
- (ii) T.S. of Black Pepper

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