

8.12.18 (M)

[This question paper contains 4 printed pages.]

Your Roll No.....

Sr. No. of Question Paper : 35

I

Unique Paper Code : 32161302

Name of the Paper : Economic Botany

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

Semester : III

Duration : 3 Hours

Maximum Marks : 75

**Instructions for Candidates**

1. Write your Roll No. on the top immediately on receipt of this question paper.
2. Question paper has **SEVEN** questions. All questions carry equal marks.
3. Attempt **FIVE** questions in ALL. Question No. 1 is compulsory.
4. All parts of a question must be attempted together.

1. (a) Mention Botanical Name of **any five** of the following :  
(1×5=5)

- (i) Poppy
- (ii) Otto of Roses
- (iii) Vegetable Gold

P.T.O.

(iv) Saffron

(v) Noble Cane

(vi) Linseed

(b) Define **any five** of the following terms : (1×5=5)

(i) Iodine Number

(ii) Bagasse

(iii) Dimorphic Branching

(iv) Parboiling

(v) Geocarpic Fruit

(vi) Adjunct

(c) Expand **any five** of the following abbreviations :

(1×5=5)

(i) IRRI

(ii) NBPGR

(iii) SBI

(iv) RRIM

(v) IARI

(vi) CPRI

2. Differentiate between **any five** of the following :

(3×5=15)

(i) Drying Oil & Non-Drying Oil

(ii) Cotton Fibre & Jute Fibre

(iii) Flue Curing & Fire Curing

(iv) Heartwood & Sapwood

(v) Enfleurage & Maceration

(vi) Gynophore & Carpophore

3. Mention the Botanical Name, Family Name, Plant Part Used, Chemical Constituents and Economic Uses of **any five** of the following : (1+0.5+0.5+1+2=5) (3×5=15)

(i) Foxglove

(ii) Tea

(iii) Sarpagandha

(iv) Tobacco

(v) Clove

(vi) Fever Bark Tree

4. Explain **any three** of the following : (5×3=15)

(i) Retting of Jute

(ii) Properties of Wood

(iii) Nobilization

(iv) Chemistry and Processing of Coffee

5. Mention Botanical Name, Family Name and Draw Well Labeled Diagram of **any three** of the following :

(1+1+3=5) (5×3=15)

(i) L.S. Cotton Seed

(ii) T.S. Fennel Mericarp

(iii) T.S. Potato Tuber

(iv) Stalk of Sugarcane

6. Write short notes on **any three** of the following :

(5×3=15)

(i) Millets

(ii) Processing of Edible Vegetable Oil

(iii) Importance of Legumes

(iv) Tobacco and Health

7. Discuss **any three** of the following :

(5×3=15)

(i) Processing and Uses of Rubber

(ii) Vavilov's work on Origin of Cultivated Plants

(iii) Evolution of Bread Wheat

(iv) Classification of Aromatic Vegetable Products