

(iv) Surface fiber and Bast fiber

(v) Lathyrism and Favism

(vi) Simple and Aggregate fruits

4. Write short notes on (**any three**) : (5×3=15)

(i) Health hazards of tobacco

(ii) Origin of hexaploid wheat

(iii) Non-alcoholic beverages

(iv) Classification of fatty oil

(v) Therapeutic role of plants

5. (a) Give scientific names of 2 fibre yielding plants.
Describe morphology, fibre extraction process and economic importance of *any one* of them. (10)

(b) Define centre of origin. Discuss Vavilov's concept for the origin of cultivated plants. (5)

(1000)

[This question paper contains 4 printed pages.]

Your Roll No.....

Sr. No. of Question Paper : 4018

H

Unique Paper Code : 2162581201

Name of the Paper : Economic Botany (DSC)

Name of the Course : B.Sc. Applied Life Sciences

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. **First** question is compulsory and attempt **FOUR** questions in all including question no. 1.
3. Part of the questions to be attempted together.
4. **All** questions carry equal marks.

1. (a) Write the high producing state for the following crops (**any five**). (1×5=5)

(i) Mustard

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(ii) Wheat

(iii) Tea

(iv) Coconut

(v) Tobacco

(vi) Pararubber

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

(i) _____ is also called as father of green revolution in India.

(ii) Practice of ratooning is used to propagate _____.

(iii) Fruit mature underground in _____.

(iv) Cloves are the dried, highly aromatic, unopened _____.

(v) _____ is also known as kalpvriksha.

(vi) *Oryza sativa* is known to be having _____ origin.

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(c) Match the following : (1×5=5)

Column A

Column B

(i) Tapping

(a) Cotton

(ii) Essential oil

(b) Black pepper

(iii) Ginning

(c) Secondary metabolite

(iv) King of spice

(d) Rice

(v) Parboiling

(e) Pararubber

2. Give the botanical name, family and well labelled diagram for (any three) : (5×3=15)

(i) T.S of pepper corn

(ii) T.S of coconut fruit

(iii) C.S of potato tuber

(iv) T.S of coffee bean

3. Differentiate between the following (any five) : (3×5=15)

(i) *Nicotiana tabaccum* and *Nicotiana rustica*

(ii) True potato seed and Seed tubers

(iii) Cereal and Pseudocereal

P.T.O.