

E 6140



Reg. No.....

Name.....

B.Sc. DEGREE (C.B.C.S.S.) EXAMINATION, SEPTEMBER 2024

Sixth Semester

Choice Based Core Course—PLANT GENETIC RESOURCES MANAGEMENT

(Common for B.Sc. Botany Model I and Model II)

[Prior to 2013 Admissions]

Time : Three Hours

Maximum Weight : 25

Part A (Objective Type)

Answer all questions.

*Weight 1 each for a bunch of **four** questions.*

- I. 1 International Rice research Institute is located at :
- (a) New Delhi. (b) Malaysia.
(c) Philippines. (d) China.
- 2 According to Vavilov how many domestication centres are there ?
- (a) 6. (b) 5.
(c) 7. (d) 8.
- 3 Fleshy edible part of jackfruit is :
- (a) Bract. (b) Stipule.
(c) Perianth. (d) None of these.
- 4 Propagation of Cardamon is by :
- (a) Rhizome. (b) Seeds.
(c) Cuttings. (d) Stems.
- II. Name the following :
- 5 Enzyme found in pine apple.
6 Propagules of banana.

Turn over





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- 7 Binomial of Cashew.
- 8 Biodiversity hotspot in Kerala.

III. Fill in the blanks :

- 9 KFRI is located at _____.
- 10 Cocoa is native of _____.
- 11 _____ is responsible for the bitterness of bitter gourd.
- 12 _____ is the scientific name of nutmeg.

IV. State True or False :

- 13 Kaziranga is famous for one horned rhinos.
- 14 Coffee is introduced to India from Arabia.
- 15 Oil is extracted from mesocarp of coconut.
- 16 All mushrooms are not poisonous.

(4 × 1 = 4)

Part B (Short Answer Questions)

*Answer any **five** of the following.*

Weight 1 each.

- 17 Papaya is used to tenderise meat. Why ?
- 18 Expand ICRISAT ? Where is it located ?
- 19 What is White tea ?
- 20 What is Spawn ?
- 21 How is white pepper prepared ?
- 22 What is Mace ?
- 23 What is a herbal garden ?
- 24 What are artificial seeds ?

(5 × 1 = 5)





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Part C (Short Essay/Problem Solving Type)

*Answer any **four** of the following.
Weight 2 each.*

- 25 Write a note on Cryopreservation.
- 26 Explain the processing of rubber.
- 27 Examine the role of mango in Indian Economy.
- 28 Give a brief account of endemism.
- 29 Citing examples how taboos help in the conservation of plant species.
- 30 Explain the role of TBGRI in conserving plant genetic resources.

(4 × 2 = 8)

Part D (Essay Type)

*Answer any **two** of the following.
Weight 4 each.*

- 31 Give a detailed account of the cultivation of milky mushrooms.
- 32 Explain the cultivation and processing of tea.
- 33 What is remote sensing ? How is it helpful in conservation of endangered plants and habitat studies.

(2 × 4 = 8)

