

**B.Sc. Sem-IV**  
**Internal Examination 2021**  
**BOTA**  
**Paper: CC-8 (Plant Geography, Ecology and Evolution)**

**F.M.- 10**

Answer any 10 of the following:-

10x1=10

1. How many Phytogeographical regions of India are there?
2. Give examples of two dominant flora of Sundarbans.
3. Define Endemism.
4. Define Niche.
5. Define Ecad.
6. What is secondary succession?
7. What is carrying capacity?
8. What is Phytoremediation?
9. What is Hydrosere?
10. What is ecosystem diversity?
11. What is Natural Selection?
12. What is Coevolution?

**FAKIR CHAND COLLEGE**  
**Internal Assessment 2021**  
**Sem IV (Honours)**  
**Botany (CC 9)**

Answer any ten questions:-

10 X 1

1. Who is N. I. Vavilov?
2. Define the term centre of origin.
3. Define the term acclimatization.
4. What type of fruit is present in rice?
5. What is Beverage?
5. Write the scientific name and family of tea
6. Write the scientific name of mustard
7. What is fatty oil? Give an example.
8. Give the scientific name and family of teak.
9. Name the alkaloids present in the bark of Cinchona.
10. What is silviculture?
11. Name the species and family where from tobacco is obtained
12. Give the full form of NBPGR.
13. What is jaggery?

**B.Sc SEM IV  
BOT-A  
CC 10 (GENETICS)  
Internal Examination  
2021**

**FM 10**

**Answer any ten questions**

- |   |   |
|---|---|
| i. What is an allele?   | 1 |
| ii. What is the maximum percentage of recombination frequency between two genes?                | 1 |
| iii. Define aneuploidy.   | 1 |
| iv. State the gene interaction in which 9 : 3 : 3 : 1 ratio is modified to 9 : 7 ratio.         | 1 |
| v. What is Coupling and repulsion linkage   | 1 |
| vi. Name one hexaploid crop.  | 1 |
| vii. Name one physical mutagen.   | 1 |
| viii. What is reciprocal transversion?  | 1 |
| ix. Give an example of dominant epistasis   | 1 |
| x. Define split gene.   | 1 |
| xi. In maize chromosome number is $2n = 20$ . What would be the number of linkage groups in it? | 1 |
| xii. What is jumping gene?  | 1 |

**B.Sc SEM IV**  
**BOT-A**  
**SEC-B-(MUSHROOM CULTURE TECHNOLOGY)**  
**Internal Examination**  
**2021**

**FM 10**

**Answer *any ten* questions.**

- |   |   |
|---|---|
| i. What is spawn?   | 1 |
| ii. Define compost.                                       | 1 |
| iii. Write the scientific name of Paddy Straw Mushroom.   | 1 |
| iv. Give two methods of storage of mushroom.              | 1 |
| v. Name one poisonous mushroom.                           | 1 |
| vi. Name one edible mushroom from Ascomycetes.            | 1 |
| vii. Name one bacterial disease of mushroom.              | 1 |
| viii. What is carpophore?                                 | 1 |
| ix. Name two dishes made from mushroom.                   | 1 |
| x. Name one mushroom research centre of India.            | 1 |
| xi. Name one fungal disease of mushroom.                  | 1 |
| xii. Which mushroom is commonly called gastroid mushroom? | 1 |