

[4234] - 307

M.Sc. -II
BOTANY

**BO-3.35 : Genetics, Molecular Biology and Plant Breeding-I
(2008 Pattern) (Semester - III) (Special Paper - I)**

Time : 3 Hours]

[Max. Marks : 80

Instructions to the candidates:

- 1) *Answer any five questions, taking at least Two questions from each section.*
- 2) *Answers to the two sections should be written in separate answer books.*
- 3) *All questions carry equal marks.*
- 4) *Neat diagrams must be drawn wherever necessary.*

SECTION - I

Q1) Explain structural and organizational complexity of eukaryotic chromosome.

Q2) a) Comment on any two methods of bacterial recombination.
b) Write briefly on inheritance of quantitative characters with suitable example.

Q3) a) Explain co-relation of genetic and physical maps.
b) Write an account of karyotype evolution.
c) Give an account of alien gene transfer in wheat through chromosome manipulation.

Q4) Write notes on any two of the following :

- a) Null hypothesis
- b) Haploid - origin and production
- c) Gene targeting

Botany Question Paper 2012

Joacim Rocklöv



Botany Question Paper 2012:

The book delves into Botany Question Paper 2012. Botany Question Paper 2012 is a crucial topic that needs to be grasped by everyone, ranging from students and scholars to the general public. This book will furnish comprehensive and in-depth insights into Botany Question Paper 2012, encompassing both the fundamentals and more intricate discussions.

1. This book is structured into several chapters, namely:
 - Chapter 1: Introduction to Botany Question Paper 2012
 - Chapter 2: Essential Elements of Botany Question Paper 2012
 - Chapter 3: Botany Question Paper 2012 in Everyday Life
 - Chapter 4: Botany Question Paper 2012 in Specific Contexts
 - Chapter 5: Conclusion
2. In chapter 1, the author will provide an overview of Botany Question Paper 2012. This chapter will explore what Botany Question Paper 2012 is, why Botany Question Paper 2012 is vital, and how to effectively learn about Botany Question Paper 2012.
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6. In chapter 5, the author will draw a conclusion about Botany Question Paper 2012. The final chapter will summarize the key points that have been discussed throughout the book.

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